

GAMES

Answers, page 60.



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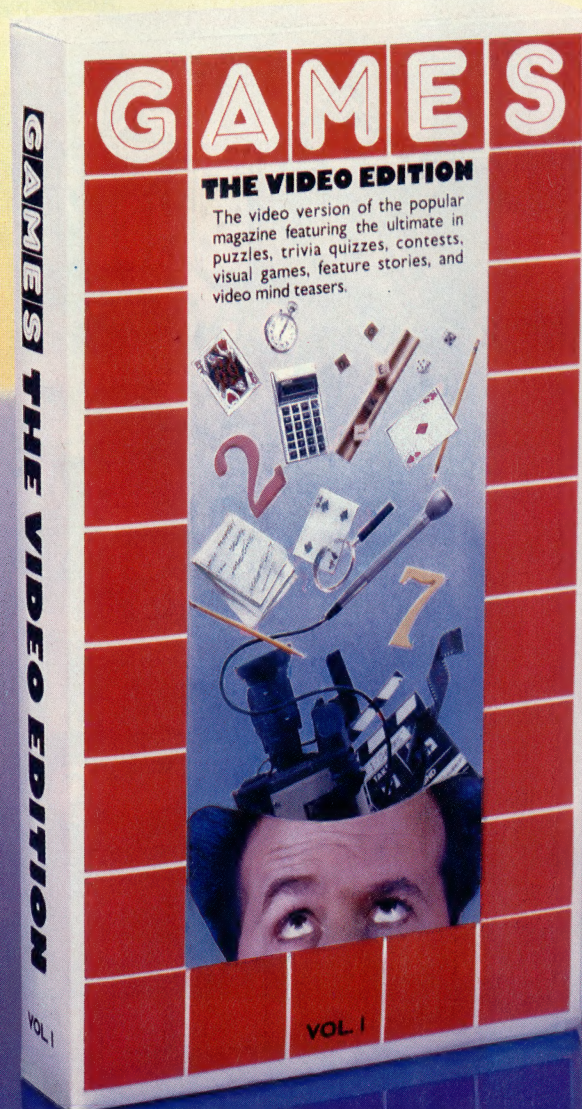
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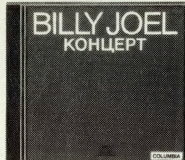
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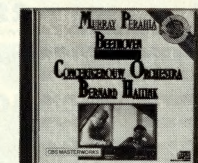
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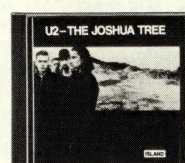
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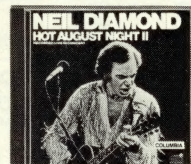
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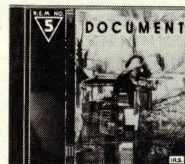
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 The Fine Art of Art Forgery *Neil Steinberg*
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- Food, Glorious Food** **20**
 Satisfy Your Craving for a Culinary Trivia Quiz *Curtis Slepian*
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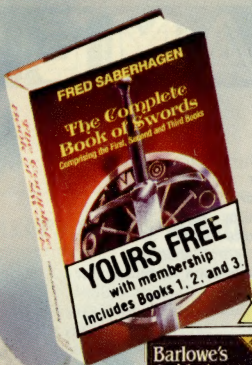
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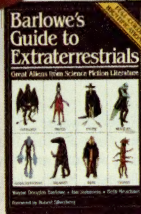


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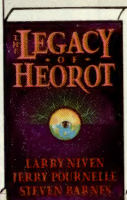
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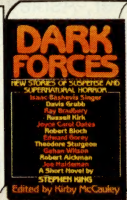
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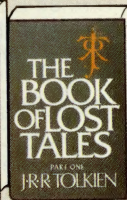
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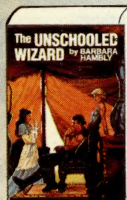
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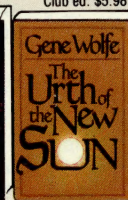
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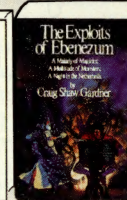
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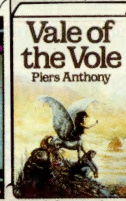
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FLIP SIDE ★

Lincoln, Jefferson, Roosevelt, Washington, Kennedy . . . Who's next?

Ian Strock
Brooklyn, NY

SUM-IT MEETING ★★

In the addition problem below, each digit has been replaced by a different letter. Each letter stands for the same digit wherever it appears. Can you break the code and find the numbers?

$$\begin{array}{r} \text{U S S R} \\ + \text{U S A} \\ \hline \text{P E A C E} \end{array}$$

Wendell Harms
Lowe Farm, Manitoba

LONG, LONG TRAIL ★★

A ladybug at one end of a 4-inch elastic string begins crawling toward the other end. After it travels an inch, the string stretches to double length (8 inches). After it travels another inch, the string again stretches to double length (now 16 inches). In fact, every time the poor ladybug advances an inch, the string then doubles in length. After the string doubles for the 100,000th time, where is the ladybug?

Clyde T. Eisenbeis
Oakdale, MN

HOW'S THAT? ★★★

Ircles slive the drobbly glents and parkles hork all jeamers. When drystals glaith at torfazand then bilfen anfer plermings. No wumbles blee the dorpledum if ircles slive the drobbly glents. If drystals do not glaith at torfazand and parkles hork all jeamers, then wumbles blee the dorpledum.

Do bilfen anfer plermings?

Leah L. Lavelle
Ocean City, NJ

WOMAN IN THE MIDDLE ★☆

In history as well as literature, the eternal triangle continues to fascinate us. Can you name the woman caught between each pair of men below?

1. Rhett Butler, Ashley Wilkes
2. King Arthur, Lancelot
3. Henry Higgins, Freddy Eynsford Hill
4. Miles Standish, John Alden
5. Porgy, Crown
6. King Menelaus, Paris
7. Curly, Jud Fry
8. Don Jose, Escamillo
9. King David, Uriah
10. Sydney Carton, Charles Darnay
11. Rick Blaine, Victor Laszlo
12. Heathcliff, Edgar Linton
13. Roger Thornhill, Phillip Vandamm
14. Constantin, Trigorin
15. Cyrano de Bergerac, Christian

Walter Penney
Greenbelt, MD

A MATTER OF DEGREE ★★

"This thermometer's no good," complained Mrs. Weatherby. "It's in Celsius, and I want to know the temperature in Fahrenheit."

"You're so old-fashioned, Mother," chided Mercuria with a quick, silvery laugh. "Just use the formula $9/5 C + 32 = F$ (where C is the temperature in Celsius and F the temperature in Fahrenheit)."

"My daughter, the science major!" Mrs. Weatherby rolled her eyes.

"If that's too hard for you, then just double the number on the thermometer and add 30. Of course," Mercuria added sadly, "you won't get a precise answer."

The two women each computed the temperature in degrees Fahrenheit, Mercuria with her formula and Mrs. Weatherby by the simpler approximation. Surprisingly, they got exactly the same answer.

Just how hot was it?

Michael Olenick
Brooklyn, NY

ANSWERS, PAGE 54

Your Move is a column of original puzzles and other material submitted by readers. We pay \$15 and up for each item we publish. We reserve the right to revise puzzles and edit manuscripts for clarity. None can be returned unless accompanied by a stamped, self-addressed envelope.

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LETTERS

ENVELOPE OF THE MONTH



J. Lindberg
Woodridge, IL

CHILD'S PLAY

I'm a 13-year-old who enjoys your magazine immensely. However, I would like to know if you could print some easier puzzles so beginners like me wouldn't have so much trouble with them. Thank you.

Andy Svendsen
Washington, D.C.

We've received many similar requests—so many, in fact, that we're going to be doing something about it very soon. Watch for an important announcement in our July issue. Meanwhile, you might try the "Games, Jr." section in the center of next month's GAMES Special Edition (on sale at newsstands June 28). Though it's intended for a wide range of young audiences, we know some expert adult puzzle solvers who enjoy solving it as well.—Ed,

FLUSHED OUT

I'm afraid you and your correspondent Michael Duranczyk (Letters, January 1988) have been double whammied! Thomas Crapper definitely did exist. I enclose four pages from Kelly's Directory—two each from 1890 and 1940 which document this. The nonexistence of Mr. Crapper has been mooted in the past, but many of my London acquaintances remember a large sign for his firm "Thos. Crapper and Co., sanitary engineers" in King's Road, which was visible until the 1970s.

I hope this will convince you that Mr. Reyburn's *Flushed With Pride* is basically factual, despite its improbability. Sadly, endeavoring to repeat his performance, he was unable to find an historic body to support the tale he had in his breast and he fabricated a tissue of lies!

David Singmaster
London, England

WE GET ODD LETTERS

Old Odessa tries to hear tot. Their spies
itch—new hairdo doesn't crown a teensy
taster. No drugs! Mainly, hooded kitties
mew. Sign on—be crusaders!

Al Winfaster
Zannadoo, NM

Even letters like this can be ignored.—Ed.

MURDER RAP

Beware . . . there appears to be another Scrabble murderer in your midst (Scrabble Can Be Murder, October/November 1987). The co-conspirator is Jeffrey Pugh—a dastardly devil. You see, the dying Anthony Moderato left another clue. With his remaining tiles he spaced out the clue "EUL C TI"—"You'll see tie." The other killer, Jeffrey Pugh, is the only suspect wearing a tie.

Gary Budlow
Durham, NC

I seem to have found an alternative solution for "Scrabble Can Be Murder." The article states that "Mary Prill quickly found that Moderato was as likely to fulfill his promise to marry her as she was of scoring 1,000 points in a Scrabble game."

Although the blank tile works well with your answer, it also changes the word "CANE" to "CAN'T." This, along with "PROPOSE" (found elsewhere on the Scrabble board), forms "CAN'T PROPOSE," which might implicate Mary Prill.

Teresa Taylor
Pocatello, ID

A WINNING TRADITION

I am thrilled to be the Grand Prize winner in your 10th anniversary Puzzle Decathlon contest. I won the Metamorphosis contest you held in the second issue of GAMES (November/December 1977). For me, the Decathlon was the most fun of any of your contests, and winning it was great—since it's also my 10th anniversary for winning puzzle contests, maybe it's appropriate that I won this one.

Ms Jean M. Paul
Minneapolis, MN

GETTING EVEN

I have welcomed most of the new features introduced by GAMES. However, I must protest the recent banishment of six months of the year. To me, the title "January 1988" suggests monthly publication.

Of more importance is the elimination of the even-numbered months from your labeling. It seems to me that certain themes associated with these months in past issues will now be harder to present. Where, for instance, do you put the Halloween issue—in September or November? Moreover, what is an April Fools issue without an April?

I hereby invite all GAMES enthusiasts who happen to have their favorite month in February, April, June, August, October, or December to join ODIREM, the Organization Dedicated to the Immediate Restoration of Even Months. With your help, maybe we can “even” the score.

Mike Smolowitz
Address Unknown

COLLOQUIALISMS

In "Conversation Piece," (October/November Wildcards) you state that only one common word, colloquial, contains the "uia" sequence of vowels.

It just so happens that I picked up your magazine while on a flight back from GUIANA, where I was attending several anthropological COLLOQUIA (including a fascinating one on the ALGONQUIAN Indian languages). You might think I'm sort of square (I think of myself as EQUIANGULAR), but I've wanted nothing more in life than to own a GAMES T-shirt. I've even considered such desperate measures as kidnapping Will Shortz and jabbing him with SUBUNGUAI bamboo slivers to get one. But now, maybe I won't have to. ALLEUIA!

R. R. Richardson III
Pikeville, KY

REMEMBRANCE OF GAMES PAST

Thanks, GAMES, for "Different as East and West" (March, 1988). I do not play shogi, but as a kid I'd always been mystified by the "man's game" my father, brother-in-law, and neighbor played on weekend evenings after dinner in the smoke-filled dining room. How I loved the smooth, hand-carved pieces, the beautiful and mysterious characters. When I was 12 I begged my brother-in-law to teach me the game. I learned the basic moves, but knew I'd never become good enough to join their ponderous, whisker-scratching world. What I did do, though, was set up their game board in the morning, fresh for a new night of play, and in the center of the board my father would leave me a quarter in return. Thanks for the memory your article jogged.

Tina Koyama
Seattle, WA

LAUNDRY

If a reader finds a significant error of fact or a mistake that affects the play of a game, and we agree the slip needs to be laundered, we'll print the first or best letter and send the writer a GAMES T-shirt.

MARCH

The year 1888 was longer than you thought. Your answer to "Long Years" (Wild Cards, March) was that this year had 12 letters, the longest to date, when written in Roman numerals. When the letters are counted, however, you will find 13, making MDCCCLXXXIII the longest year in history.

Craig Howell
Kingfisher, OK

JANUARY

I thoroughly enjoyed "Horace Beam and the Blue Peril" (page 10). It was obvious that your Tim and Fannie Fakir in paragraph 43 were a spoof of Jim and Tammy Bakker. However, your first two references to the evangelist named him as "Tim," and the next three times, you called him "Jim."

Ben Schwalb
Laurel, MD

The game of kings... now a work of art



PLAYING PIECES SHOWN ACTUAL SIZE OF 27MM.

Finely sculptured playing pieces
of 22kt gold and silver on bronze.

Specially designed board of genuine
leather and solid cherrywood.

The Excalibur Backgammon Set is a work of art as dramatic as the 5000-year-old game itself. Timeless as the magnificently decorated sets—now in museums—that were once the proud possessions of royalty.

The ultimate expression of imaginative design and artistic creativity, this splendid backgammon set

takes its name from the enduring legend of King Arthur and his gallant Knights of the Round Table.

Crafted to the highest standards of quality. Each of the thirty playing pieces is a beautifully sculptured relief medal portraying an immortal character from the golden age of Camelot. King Arthur himself... Queen Guinevere... Merlin... Lancelot... Galahad—magical names, every one.

These playing pieces are crafted in 22 karat gold electroplate on solid bronze and in pure .999 fine silver electroplate on solid bronze. Each one is a work of precision and artistry.

Richly decorated backgammon board. The imported backgammon board, too, has been custom-designed for this set. Created with all the care traditionally lavished on the most elegant furniture, its



SUBSCRIPTION APPLICATION

The Excalibur Backgammon Set

Please mail by May 31, 1988.

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Franklin Center, Pennsylvania 19091

Please enter my order for The Excalibur Backgammon Set, consisting of fifteen playing pieces in 22 karat gold electroplate on solid bronze and fifteen in pure .999 fine silver electroplate on solid bronze, plus a specially designed backgammon board, two dicing cups, two pairs of dice and a doubling cube.

I need send no money now. I will receive two playing pieces every other month, but will be billed for just one at a time—\$22.50* per month—beginning in advance of my first shipment.

*Plus my state sales tax and
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SUBSCRIPTION APPLICATION

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frame is solid cherrywood and its surface is genuine leather—elaborately embellished with symbols of medieval heraldry. In addition, there are two compartmentalized drawers for storage of the playing pieces... two leather-cased dicing cups... two pairs of dice... and an oversized doubling cube.

You will receive two minted playing pieces every other month. But you will be billed for *only one* at a time—just \$22.50 per month. The board and accessories are provided as part of the set.

To play and display with immense pride. Here is an opportunity to own a backgammon set like no other. A work certain to fascinate anyone who appreciates the truly distinctive and unique.

To acquire it, return the accompanying application by May 31, 1988.

Exclusively from The Franklin Mint.

Please mail by May 31, 1988.

Limit: One set per subscriber.

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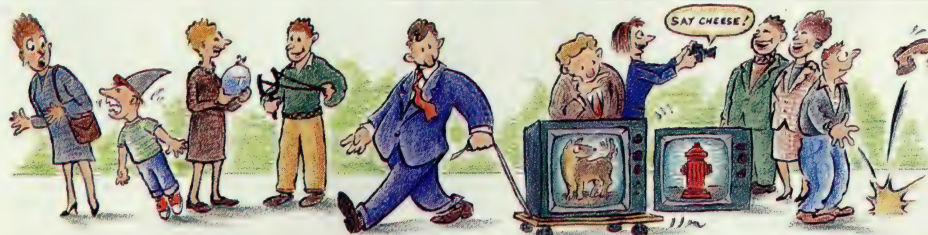
Address _____

City, State, Zip _____

GAMEBITS

EDITED BY CURTIS SLEPIAN

DANIEL ABRAHAM



THE FADDING CROWDS

Ken Hakuta is making sure that fads won't become a passing fancy. Last fall in New York City, he staged his third annual Fad Fair, a showcase for inventors who hope that their toys and gadgets will become the next Slinky or Wacky Walkwalker.

The latter helped Hakuta earn his sobriquet, Dr. Fad (Gamebits, January '87). In 1982, Hakuta bought world rights to the Japanese Wallwalker, a rubber spider that crawls down walls; since then, it has netted the "High Priest of Fads" an estimated \$20 million. Now Hakuta spends much of his time advising others on how to develop their wacky products.

At the Fad Fair, wacky was indeed the word, from a horn that makes the cry of a bull elephant and a tattoo ink guaranteed to last at least 12 days to hats shaped like shark fins and rubber shoes designed to vent anger by being thrown, not worn.

Among the 100 or so gadgets and gimmicks on display, a few caught our eye. Will today's silly ideas become tomorrow's craze? We haven't the foggiest, but here they are anyway.

• **Rock in Roll**—Perhaps the pet rock of the Eighties, this "pun in a bun" is a rock baked inside a sandwich roll and coated in varnish.

• **Robo-Cam**—No trouble getting someone to smile for this plastic, mini-110 camera. Press its button and a computerized voice giggles "Say Cheese," then bursts into hysterical laughter.

• **Video Dog**—This videotape shows "your" dog frolicking in the grass, fetching a bone, and generally obeying the commands of "you," the owner. And it doesn't have to be housebroken. For cat lovers with allergies, a Video Cat is also available.

• **Carmics**—Shaped like dialogue balloons in comic books, these cardboard signs allow drivers to communicate with each other. If

you're feeling expressive, hold one up to the window of your car to say "Jerk," "Idiot," "Hi, Cutie," "Sorry, don't shoot," etc.

• **Slinking**—Throwing water balloons is an inaccurate, often messy business. But with this slingshot device, claim its makers, you'll have no trouble hitting someone in the head from 100 yards. Business conventions will never be the same.

• **Fluorescent toilet seat**—If you've ever had trouble fumbling around in the john at night, this glow-in-the-dark seat is a godsend. It's especially useful in those tense moments during power blackouts.

—Curtis Slepian

LOST CAUSE

To some, Vacaville, California, a small city north of San Francisco, is noteworthy only for its proximity to the wine-growing Napa Valley. But this year, Vacaville rates a visit for another reason—it'll be home to the biggest outdoor maze in the U.S., a nearly acre-large creation called the Wooz.

Sun Creative System U.S.A., the American arm of a Japanese company that's developed four mazes in Japan, is building the singular attraction. Why here? "Vacaville nice weather," says Sun Creative's Sabrina Ho, in somewhat halting English. "Countryside available."

cally) as the hub of its planned 12-acre, \$10 million amusement park. Both the city and Sun Creative expect to reap profits from the project (in Japan, it's estimated that each maze grosses \$4 to \$6 million a year).

The idea of an outdoor maze is simple: People pay money (in Vacaville, admission to the Wooz will run about \$8 a head) to go inside and get lost for a while, then emerge triumphantly—a process that takes about 45 minutes. Vacaville city manager John Thompson says, "Our maze will be made up of a series of 6-to-8-foot redwood fences that can be changed around every week or so, so that people don't figure out the pattern."

"Inside, there'll be gardens and restaurants, for people to relax along the way. And there'll be platforms they can climb on to get an elevated view of where they are and to help them figure a way out."

Those who can't make the trek to Vacaville may soon be able to get lost closer to home. Sun Creative is planning to build 60 more Woozes around America.

—Michael Rozek

And the California town is glad to be accommodating. Sun intends to erect the Wooz (an acronym for "Wild, Original, Object Zoom" explains Ho crypti-



Lunching in a labyrinth: The Wagoh Wooz in Nagoya, Japan

ANTY SOCIAL

Not every farm in the United States is in financial trouble. This year marks the 35th anniversary of the ever-popular Ant Farm—a green, plastic-enclosed 6-inch-high, 9-inch-wide sandscape filled with red harvester ants going about their business.

And business has never been better for the Ant Farm, says its creator, 73-year-old Milton ("Uncle Milton") Levine. According to



Like their "Uncle," ants are hard workers.

Levine, 1987 was his product's biggest year ever. "We have 22 sales reps all over the country now," he boasts from his office at Uncle Milton Industries, in Culver City, California.

All told, Levine's company has sold over seven mil-

lion Ant Farms (they go for \$39 in The Sharper Image catalogue) since 1956. So, maybe you own one—in which case, listen to Levine. "The ants," he instructs, "are not meat eaters. They will eat a little dry cereal, a little sugar, maybe the tip of a raisin. Many people feel sorry for them and give them more. For them, that's as if you or I ate a horse."

Also, says Levine, don't expect your Ant Farm ants to live for more than a couple of months (replacement ants can be purchased).

Levine confirms that the surviving ants in the Ant Farm always seem to bury their dead in the Farm's northwest corner: "It must be some kind of magnetic thing that draws them. If you turn the Farm around, they'll bury them on the other side. It's quite a society."

For his part, Levine intends to keep on making Ant Farms indefinitely. After all, he even owes his nickname to the little *Pogonomyrmex Californicus* that populate his product: "When I got into the ant farm business, people would say to me, 'How come so many ants and no uncles?' So I became Uncle Milton." —Michael Rozek

ents of a Dwight Gooden, players were called on to pitch rolls of toilet paper through a toilet seat about six feet off the ground.

In the key event of the games, "Big Bed Makeoff," one contestant from each team made a bed as quickly as possible. Executive Housekeepers from each hotel then judged the beds according to such factors as the tightness of the hospital corners and the smoothness of the blankets.

This event was won by the Opryland's Cynthia Cook, who made her bed in two minutes, eight seconds. Her technique? "I put everything on the bed at once, flop it down real hard, then tuck things in from the bottom up." Cook's performance swept the Opryland team to victory.

Although it was their second win in three years, Schappert swears that there's no home field advantage: "We announced what the events would be two months in advance, and I know that other teams were practicing."

—Minda Zetlin

PIECE PLANS

As a boy, Mel Andringa discovered something about jigsaw puzzles that many avid puzzle fans know only too well: Manufacturers employ a limited number of die cuts, often making pieces from different puzzles interchangeable. Given a set of WWII airplane puzzles, Andringa was soon interlocking pieces from different puzzles to create, he says, "some spectacular mid-air collisions."

Now an assistant professor of art at the University of Iowa, the 43-year-old Andringa is again re-jigging puzzles, and no less spectacularly.

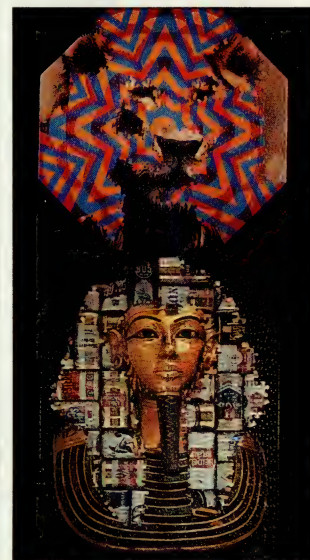
Buying secondhand jigsaws by the armload, he creates what he calls "found-art collages"—visual puns and conundrums. An-

dringa sells them to jigsaw/art lovers for \$175 apiece.

In one, a medieval castle pops up in a modern city skyline. Other Andringa hybrids, such as a bowl of spaghetti covered by an ocean wave instead of tomato sauce, border on the surreal.

"I get very philosophical, almost metaphysical about putting these works together," says Andringa, who, billing himself as Professor Puzzle, lectures on the history, psychology, and aesthetics of jigsaw puzzles.

When he finds interchangeable puzzles, Andringa generally works one on top of another. Before long, the images start to relate to one another, and suggest various juxtapositions and substitutions. For example, armed with four



Andringa's art makes you rethink the familiar.

sports-related jigsaws, he first contrived the image of a skydiver floating underwater, then blended leftover oceanic and automotive images. The result is a collage titled "Skin Driver."

Unlike some puzzle purists, Andringa admits he looks at the boxtop picture before putting the puzzle together. "I'm also a businessman," he says. "If I put them together faster, I make more money."

—John Grossmann

CLEAN SPORTS

Housekeeping is usually a dirty business. But for the last three years at Nashville's Opryland Hotel, it's been all fun and games.

Opryland is the home of the Housekeeping Games, where professional tidying skills are put to Olympian tests.

At stake in last fall's competition was \$600 in prize money, and each six-man team—representing 12 Nashville hotels—hoped to clean up.

The games consisted of seven events. In one, contestants raced housekeeper's carts piled high with toilet paper rolls around a

slalom course made of Wet Floor signs.

A hotelier's version of *Ben-Hur* had competitors sitting in wheeled mop buckets holding mops, and being dragged horse-and-chariot fashion by teammates over the slalom course.

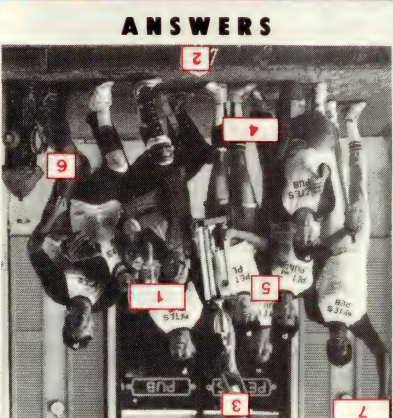
Another event involved pairs of teammates undressing and dressing a cloth dummy. This was tougher than it sounds. Patricia Schappert, the Opryland's director of housekeeping, contends, "I don't care how many times you do it, it's really hard to get jockey briefs onto a dummy."

Though housekeepers don't ordinarily need the tal-

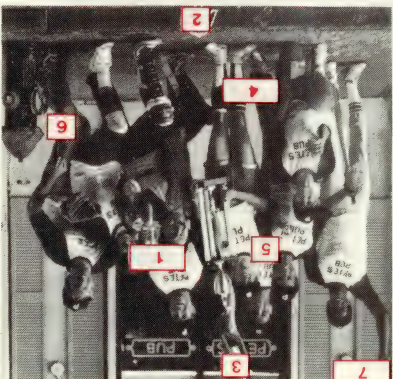
THE SEAGRAM'S 7 CHALLENGE

Here's a quick visual puzzle to test your powers of observation. We've enlarged the advertisement for Seagram's 7 on the facing page, then taken several details from the enlargement and reproduced them below. By studying the ad, can you spot the exact places from which the seven details were taken?

(Answers appear below.)



ANSWERS



MAGIC ★

BY LUTHER WARM

Die Jest

Welcome to the world of magic. I have a hunch that you like to play games. A pretty amazing guess, right? OK, maybe you're not impressed yet. However, if you read on, I'll perform a trick that will prove my powers beyond doubt.

Most people believe that dice games are purely games of chance, but I will now demonstrate that I can foresee the number on top of a die that is totally within your control.

First, find a die in a junk drawer or game box. Next, roll the die so that it lands on this page. Use any technique you like: Throw it from under your leg, behind your neck, or while vigorously rubbing it and humming.

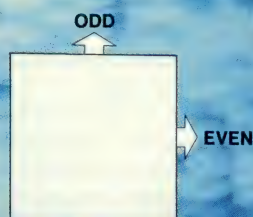
Move the die to the square below, aligning the edges of the die with the edges of the square. Now, if the num-

ber showing on top of the die is even, give the die a quarter-turn to the right, as indicated by the arrow. If the top number is odd, give it a quarter-turn toward the top of the page instead.

Now look at the new number showing on top of the die. If it's even, again turn the die a quarter-turn to the right; if it's odd, turn it toward the top. Repeat this procedure (*turning* the die—don't rethrow it) five more times.

The die is now warmed up. Continue turning it, according to the arrows, until a 6 appears on top. Then turn it one more time in the indicated direction, and remember the number on top.

I have a hunch about that number. So strong a hunch, in fact, that I've written it in the Answers, page 58.



SEAGRAM'S 7 AND NINE



Seagram's Seven Crown



America's Good Time Spirit.

Strokes of Genius

THERE'S AN ART TO FORGING ART.
READ HOW MASTER FORGERS INGENIOUSLY
AVOID DETECTION—AND A BRUSH WITH THE LAW.

by Neil Steinberg

Sam Carini, a small, exuberant man, strides into the Prints and Drawings room at The Art Institute of Chicago, lugging a huge black portfolio. Setting the portfolio down on a massive wood table, he opens it and starts pulling out drawings.

"You have to be very careful with Russell and Remington," he says, displaying sketches, apparently from the famous artists of the Old West. Several of the drawings are illustrated letters—sheets of "C. M. Russell" stationery adorned with cowboys and wranglers. All are fakes.

"We got these from the FBI—they didn't know what else to do with them," says Carini, an assistant curator at the museum. "Of course, having some of that stationery printed up would be the easiest thing in the world."

He flashes more drawings, several Picassos ("Would you buy that?" he scoffs. "Somebody did, once.") a Seurat crayon drawing, a Daumier caricature. He lays out seven pencil portraits done in the style of Modigliani.

"Look at that line," he says, pointing to one of the drawings. "This line is wrong. Modigliani would have done better than this. He knew anatomy. He knew how to draw."

Some of the Modiglianis are real, others fake. But Carini doesn't use those terms. Rather he says certain drawings are *attributed* to Modigliani, others *thought* to be fake. In the shifting, nebulous world of art forg-

ery, it is reckless to announce your convictions too strongly—because this year's masterpiece is apt to be denounced as next year's forgery, and the forgery currently collecting dust in the basement could very well be rehabilitated and hung in a place of honor. (Which is why, incidentally, museums tend not to dispose of their forgeries. It wouldn't do to toss a non-Rembrandt into the trash, only to find out a few years down the road that the old master did paint it after all.)

One of the more public flip-flops of this kind concerned an ancient statue of Diana the Huntress, which appeared on the cover of the November, 1953 issue of *Art News*, and was hailed as "one of the greatest Etruscan finds in history." Less than a decade later, it was featured in the same magazine in an article titled "The Art of Fake Etruscan Art."

The Metropolitan Museum of Art has done a double flip-flop on its little Greek bronze horse. A favorite among museum visitors, the horse was thought to be from the 5th Century, B.C., and was called the "quintessence of the ancient Greek spirit" when it was purchased in 1923. In 1967, after it had been on display for decades, a museum administrator denounced the horse as a forgery. Five years later, after extensive examination, it was declared authentic again.

Though the 20th Century has been a golden age of forgery, forgeries have been around for as long as artwork has been bought and sold. During the Roman era, forgeries of Greek bronzes, silver, and sculpture were in great demand. The German master Albrecht Dürer made efforts to suppress "spurious reproductions," and Rembrandt's art was being

forged before he was out of his 20s.

How is a forgery created? It's easier than one might expect—you don't even have to know how to paint. Noted Chicago gallery owner Richard Gray remembers a beautiful Degas drawing that was brought to him. The drawing had been featured in several major Degas exhibits, and received praise from the most sophisticated museum curators. Taking the drawing out of its frame, Gray discovered that the "drawing" was actually a reproduction, cut out of a book and traced over in light chalk.

More sophisticated forgers face a complex scholarly and artistic task. Not only do they duplicate an artist's style, but they use the original artist's materials. Paint a Renoir on a piece of linoleum, or use acrylic paint, and a brush with the law is certain. Paint the gown on your fake Medieval Madonna Prussian blue and it's off to jail: Prussian blue was not manufactured until 1704.

The ravages of time also must be simulated. Skilled forgers add layers of grime, reproduce the cracking pattern that oils take on as they dry out, and even damage areas only to restore them, since most paintings over a century or two old have been retouched. Clever forgers of ancient sculpture will even collect ancient dust from the cracks of genuine works to insert in the cracks of their bogus copies.

Passing off reproductions as originals is drudge work. More skill can be demonstrated by altering the work of a relatively obscure artist to resemble that of another, more famous and valued artist. For every well-known artist, there are a dozen lesser lights working in a similar style. A forger

can simply blot out the signature of the minor artist and add the signature of the master. Over the years, so many paintings by John Frederick Peto were doctored to bear the signature of Peto's more famous contemporary, William Harnett, that Peto sunk into obscurity, his best paintings transformed into original Harnetts. Only in recent years, as the forgeries have been spotted, has Peto's popularity and importance begun to rise to its proper status.

Artists themselves sometimes complicate the detection of forgery. To increase their market value, Jean Baptiste Camille Corot, a French landscape painter, had the generous but disconcerting habit of signing the works of students, friends, followers, and other starving artists. Modigliani also signed his student's paintings. Picasso often declared genuine the forgeries that were brought to him for verification, out of a spirit of artistic playfulness, or to help a friend who purchased the spurious piece. Dali is notorious for muddying the line between art and forgery. French customs agents once stopped a truck carrying stacks of blank lithograph pages, all signed by Dali ("A person came to me and said, 'I have a Dali, can you help me?'" recalls Carini. "And I said, 'My dear, no one can help you.'")

If changing the signature won't do the trick, forgers can alter the painting itself. While cleaning what they thought was a portrait of Henry VIII by court painter Hans Holbein the Younger, the owners of the painting were shocked to discover the picture of a Dutch burgher underneath and the signature of lesser-known Gerbrand Ban. Some time after the por-

trait had been painted, a forger had decided to up its value by adding Tudor clothes and the famous signature.

On one notable occasion, this technique backfired on a forger. In 1931, Alfred I. DuPont, of the chemical company family, was offered a painting that supposedly represented his great-great grandmother and her infant son. The seller wanted \$25,000, but DuPont, who had an eye for art, noticed that the work seemed to have more than one style, and dickered the price down to \$1,000. He then sent the painting off to the curator at the Philadelphia Museum of Art. The curator confirmed that the frilly 18th-century clothing, hairdos and jewels had been painted onto an older picture, and recommended they strip the paint off and see what was underneath. In a classic proof to the saying that begins "The rich get richer . . .," underneath the added clothing was discovered a first-class *Madonna and Child* by Murillo, valued at the time at \$150,000. The ignorant forger had painted over the Murillo in an attempt to sell it for what turned out to be a sixth of its real value.

The classic image of the forger, of course, is not a person framing cheap prints or dabbing out signatures, but someone who sits down and makes a full-blown copy of a famous work, then tries to pass the copy off as the original.

Several generations of an aristocratic family thought that Francesco Ubertini's *Portrait of a Lady* was hanging in their home. Then, in 1967, the J. Paul Getty museum announced the purchase of an authenticated *Portrait of a Lady* in London. After frantic investigation, the family discovered that, two generations earli-

er, a destitute ancestor had secretly made an exact copy of the painting and sold the original.

Because the original has a habit of showing up and causing trouble, direct reproduction is not a very popular form of forgery. A famous example of this danger occurred in 1955, when a New York woman named Florence E. Dickerman consigned her Fragonard oil (*Portrait of a Young Lady*) to Anthony Seaton, a freelance art dealer whom she had met at a cocktail party. When he failed to sell the work after several months, Dickerman asked him to return the painting to her. Seaton did, after a short delay, and urged her not to hang it in her living room, where it had hung originally, but in an inconspicuous place, such as a bedroom, because of its "intimate" nature.

Soon after she got the picture back home, Dickerman began to notice that the painting was somehow not as charming as it previously had been. She also detected a strong scent of linseed oil (used to mix oil-based paints). Suspicions aroused, she took the painting to the Brooklyn Museum to have it examined. Even before it could be proclaimed a fake, another dealer—Abraham Adler—stopped by and announced that he had just bought the same painting from Seaton for \$13,000. Seaton had copied the painting while it was in his possession, sold the original and returned the fake to Dickerman. Seaton was arrested and killed himself in jail. Dickerman ended up with both paintings, and hung the original in her New York apartment and the fake in her Long Island summer home.

Rather than merely copy a painting, more advanced forgers create what are known as pastiches. A pastiche is an assemblage from various existing paintings by the same artist—a face from this painting, a chair from that, a hairstyle from a third—all painted on a single canvas to create a new, bogus piece of art. Pastiches have the dual advantage of strongly resembling a master's work, while not being an exact copy of any one particular painting. For instance, in the Metropolitan Museum of Art collection, a forged Jan Vermeer reverses the profile and pose of the woman in the Dutch master's *Lady Reading a Letter*, and utilizes the background from his *Love Letter*.

The problem with pastiche is that anyone with a certain degree of scholarship can identify the various elements. Vermeer did not become famous by recycling subjects. To rise above pastiche the forger must pro-

(CONTINUED ON PAGE 16)



Sam Carini, an associate curator at The Art Institute of Chicago, displays a group of forgeries, including a bogus Picasso, Daumier, and Prendergast.

RICHARD DERK/PICTURE GROUP

ARE YOU AN ART CONNOISSEUR?

IN THE ART WORLD, HAVING A keen "eye"—the ability to appreciate a master's rich tones and living expressions, or to detect the flat, static quality of a forgery—is considered essential.

How good is your eye? The following are some famous forgeries, along with the famous originals—can you tell which is which?

1. FALSE FRAGONARD: You can't smell the linseed oil that helped tip off Florence E. Dickerman to the falsity of the Fragonard she had been given. But can you see which painting boasts, according to one curator, a "shy and retiring grace, a softness and a charm," and which suffers from "a wooden chin, a spilled-on, not silken, dress, and a mouth which barks, not beckons"?

2. VAN GOGH KNOCK-OFF: Today,

van Gogh's paintings are the most valuable artwork in the world, adding more irony to his tragic life, during which his most important patron was his brother Theo, who bought his paintings secretly, as an act of charity. Two of these self-portraits were done by van Gogh himself. The other was done by German art dealer Otto Wacker. But which? (Hint: think pastiche.)

3. MASKED MASK: As primitive art became more and more popular, so primitive forgeries grew in number. To tell the real Lega Tribe mask (from the Republic of Zaire, these ivory masks are collectors' favorites) from the fake, remind yourself that the mask was made to be worn.

4. MANY MONAS: As if to illustrate the place that forgery holds in the art world, the *Mona Lisa*—that most fa-

mous painting of all, hanging in a revered position in the Louvre—may be a fake. A workman stole the picture in 1911, and it was missing for two years. Ever since, plot theorists have entertained themselves by wondering: What if the real one wasn't the one they recovered . . . One of the most copied paintings of all time (the Louvre once filled a gallery with *Mona* copies), can you tell which is the imitation *Mona*, and which is the real one, or at least, the one that is now hanging in the Louvre?

5. DISHONORABLE HONORÉ: Forgers occasionally attempt a rough version of an existing masterwork and try to pass it off as the original artist's preliminary sketch. Such is the case of this fake Honoré Daumier titled *Fatherly Discipline*. Can you spot which is, in one curator's words, the "stiffer and more vapid" fake?

—N.S.

EYE EXAM



a. b.



a. b.



c.



a.



b.



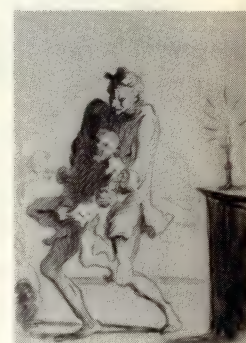
a.



b.

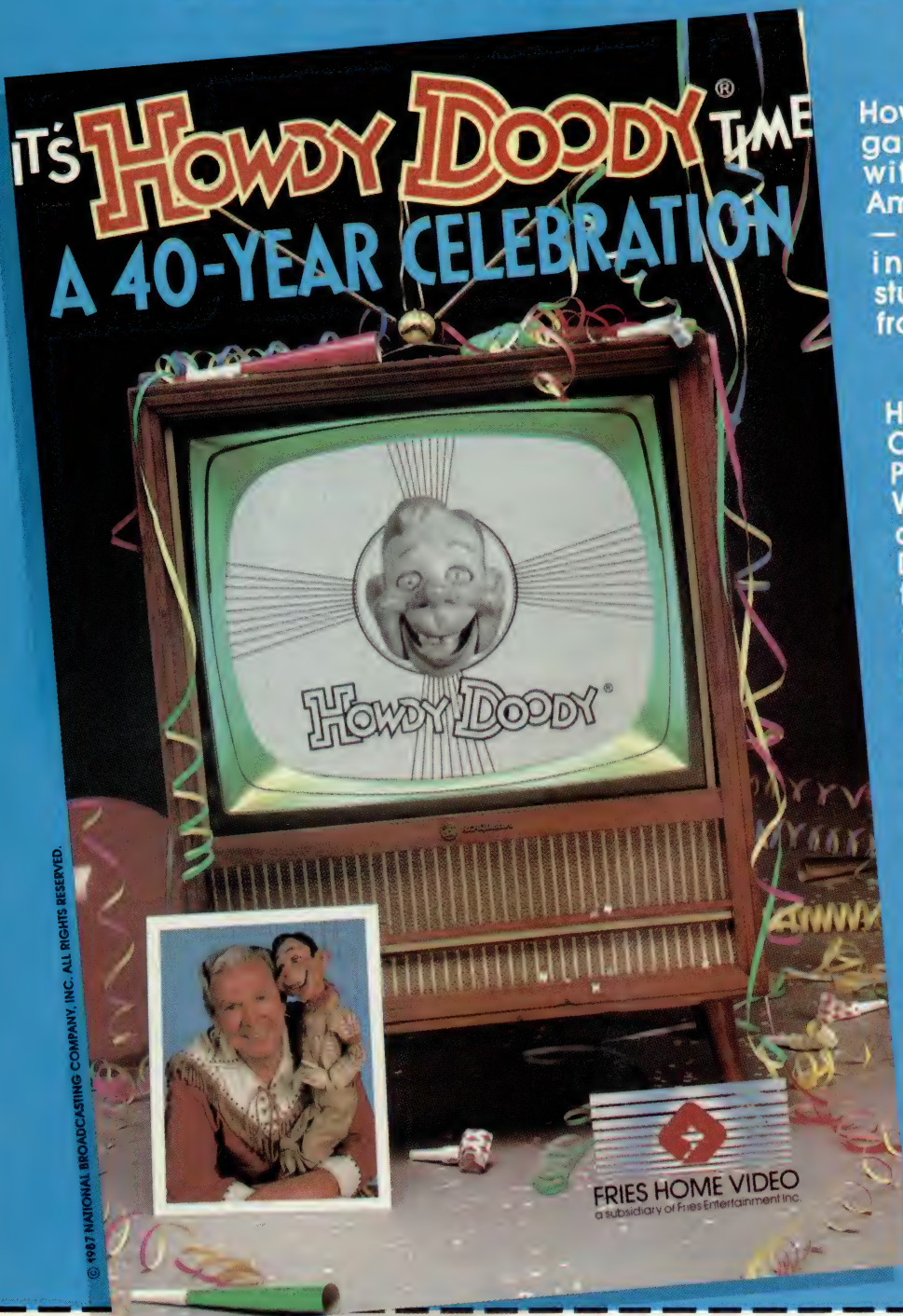


a.



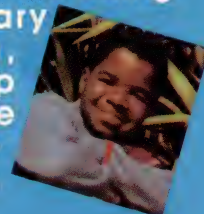
b.

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STEIN WAS SUCH A VIRTUOSO FORGER THAT HE COULD WHIP OFF 40 COCTEAU DRAWINGS IN LESS THAN FOUR HOURS.

(CONTINUED FROM PAGE 13)

duce paintings that are in the style of an artist, without borrowing from previous works.

Han van Meegeren, one of the most notorious forgers of this century, painted some pastiches, but his greatest "work" combined scholarship and cunning and came very close to fooling the entire art world. A brilliant Dutch art student, van Meegeren never felt he got the recognition he deserved. Forgery was a way of striking back at the art establishment and, not



UPI/BETTMAN

Just released from jail, forger David Stein holds a painting in his own style; behind him is his Modigliani knock-off.

incidentally, earning a little money. He saw that art scholars believed that many religious paintings of Vermeer were waiting to be discovered—and he set out to supply them.

To create completely fresh fake Vermeers, van Meegeren studied Vermeer for years, slowly gathering the necessary materials. He obtained authentic canvases by painstakingly rubbing paint off old canvases with pumice stone. Paint was handmade, according to old formulae (van Meegeren invested a good deal of money in the semi-precious stone lapis lazuli, which he ground up to create the proper shade of blue).

Ironically, van Meegeren was nearly detected even before unveiling his forgeries. Since oil paint can take 50 years to dry fully, he experimented with hardening the paint in an oven. Noticing thick black smoke coming out of his house, and fearing that van Meegeren was a bluebeard who burned his victims, his neighbors called the police. But van Meegeren, with the con man's skill essential to a good forger, convinced them that he was conducting scientific

experiments.

By the end of the 1930s, van Meegeren had sold an estimated \$2 million worth of his fake Vermeers, which were praised as important finds and masterpieces. He almost certainly would have avoided detection, and his works forever been credited to Vermeer, had he not been tripped up by a peculiar twist of fate.

One of van Meegeren's eager customers in the 1930s had been Reichsmarschall Hermann Goering, who bought *Woman Taken in Adultery*. After the war, van Meegeren was arrested by Dutch authorities and charged not with forgery but with treason: selling a national treasure to the Nazis.

Facing a possible death sentence for collaboration, van Meegeren offered a defense that stunned the art world. What he had sold Goering, he said, was not a national treasure, but a worthless fake, one of a series of phony Vermeers.

Art experts, who had unwittingly been rejoicing over van Meegeren's work for over a decade, wouldn't admit their mistake—until van Meegeren painted a fake Vermeer in court. Despite this evidence, art experts at the Boymans Museum in Rotterdam refused to believe that van Meegeren's *Christ and the Disciples at Emmaus*, which they had pur-

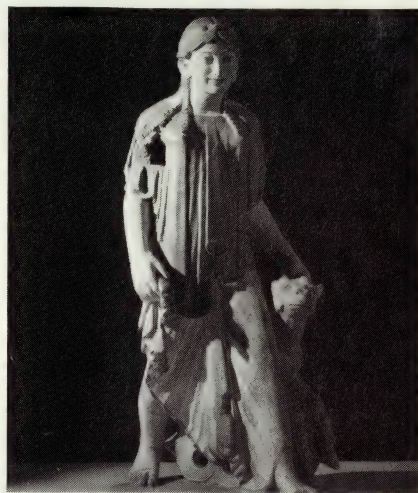


This Greek bronze horse has been declared fake once and authentic twice, causing museum officials considerable embarrassment.

chased eight years before and considered the cornerstone of their collection, was a fake. Incontrovertible proof came when van Meegeren described for them the ghost of a

head from a previous painting, which he had failed to completely scrape away from the canvas. They checked with x-rays. The ghost was there, and *Christ and the Disciples at Emmaus* was relegated to the corridor leading to the bathrooms.

Van Meegeren, who died in 1948, isn't the only forger to paint himself into a corner. In 1974, a quiet, unassuming Mexican named Brigido Lara was arrested and sent to prison for looting priceless pre-Columbian arti-



SAINT LOUIS ART MUSEUM

Once highly regarded, this terra-cotta statue of Diana the Huntress is currently presumed a forgery.

facts and selling them abroad. During his trial he maintained that he was a forger, not a looter, but archaeologists testified otherwise. In jail, he persuaded prison officials to bring clay and tools to his cell, where he made an exact replica of the piece he was convicted of looting. Lara was released, and museums across the world had to shamefacedly yank some of the prizes of their pre-Columbian collections ("We were fooled," said Harry S. Parker, director of the Dallas Museum of Art. "It is very embarrassing."). Knowing talent when they saw it, the national Mexican archeological museum then hired Lara to sculpt reproductions.

Although van Meegeren fits the public's romantic notion of a forger, the low-keyed Lara is more typical.

"The forgery of masterpieces gets all the publicity," said William Leisher, director of conservation for the Art Institute. "The really extensive forgery goes on with the lesser-known artists, with contemporary artists."

METROPOLITAN MUSEUM OF ART

THE SAME TECHNOLOGY THAT AIDS THE CURATOR IN DETECTING FAKES ALSO AIDS THE FORGER IN CREATING THEM.

While masterpieces can bring in millions, they are also subject to intensive scrutiny and scholarship. It is far easier to sell many smaller works—prints, drawings, etchings, lithographs—for smaller sums, to people who are usually less exacting and less knowledgeable.

David Stein was a master among such lower-level forgers. Stein's drawings and prints, apparently by Chagall, Picasso, Matisse, Klee, and Miro, inundated the art world like a steady rain during the 1960s, and were eagerly and unquestioningly accepted. In her memoirs, *Three Picassos Before Breakfast*, his wife and accomplice, Anne-Marie Stein, describes Stein's incredible virtuosity as a forger, whether whipping off 40 Cocteau drawings in less than four hours (and selling them the next day at \$100 apiece) or producing four Chagall watercolors on the same day he sold them, the paint barely dry, for \$10,000.

Stein is a good example of how the eagerness of the collector acts as an accomplice to the forger. Stein was sloppy enough so that anyone putting his works to any sort of rigorous test could have discovered their falsity. For example, he often "aged" the paper of his works by soaking them in tea, brewed by Anne-Marie.

Undetected for years, Stein owned galleries in New York and Palm

and supplied them two days later. That seemed suspiciously fast for something to arrive from Paris, especially in those days before Federal Express, and the dealer went to the authorities. After fleeing across the country, Stein was caught and sent to prison. There he continued to paint, first for the benefit of policemen and guards, and then for galleries, which found a great demand for work of the famous forger.

If Stein's blunder seems witless, it



Van Meegeren (seated in the box at left) was convicted of fraud and forging signatures and sentenced to one year in jail.

pales beside the blunders of other, less sophisticated forgers. George Inness Jr., son of the landscape painter, reports of a man who tried to sell him a painting by Inness' father dated 1896. Inness coldly informed the prospective seller that if it was indeed his father's work, it had been produced from beyond the grave: His father had died in 1894. At about the same time, Camille Pissarro, browsing through a Paris gallery, came across a painting that purportedly was his. He went to the gallery owner and complained. The owner asked how he knew he hadn't painted it. Pissarro pointed out that his name was misspelled in the signature.

In recent years, connoisseurs on the lookout for forgeries have increasingly turned to science for help: ultraviolet light, thermoluminescence, scanning electron microscopy, x-ray fluorescence, mass spectrometry, and other advanced technologies are applied to old icons and watercolors to see how they compare to known originals.

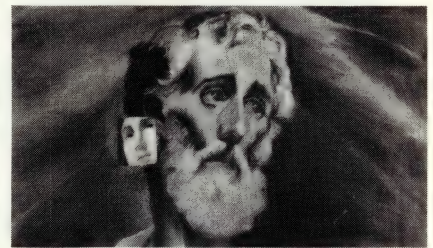
How effective science can be in detecting forgeries was first demon-

strated at the 1932 trial of famed van Gogh forger Otto Wacker. The prosecution used x-ray photographs to show how van Gogh built up layers of bold strokes of thick paint over a heavy foundation. The Wacker forgeries, however, concentrated on only the outer surface, ignoring the inner layers.

Of course, the same technology that aids the curator also aids the forger. Christian Gollard, a forger specializing in German old masters, prided himself on his scientific approach to forgery. (An approach that caused a great deal of embarrassment to the Cleveland Museum of Art, when it was discovered that Gollard, and not 16th-century German artist Matthias Grünewald, had painted the portrait of St. Catherine hanging in its galleries.)

"A good forger will examine x-ray studies of the master's works to see how he built them up," said Gollard. "He will analyze the pigments and produce everything exactly. He will get old, hand spun, hand woven canvas, which is not hard to obtain, or old worm-eaten wood, which is even easier to find . . . the end result will defy almost any authenticity test. It's all a question of how much effort a forger wants—and needs—to make."

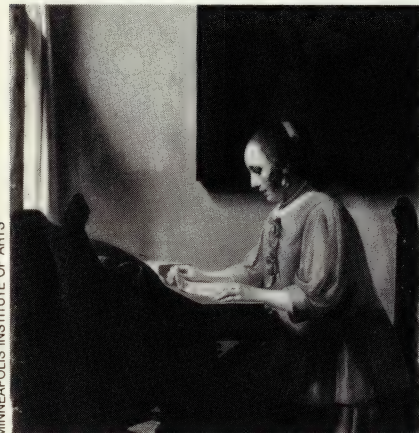
For all these cat-and-mouse games between forgers and curators, the is-



X-rays showed that this El Greco was fake. The window reveals underneath it an 18th-century portrait of St. John.

sue of what is real and what is fake can sometimes be irrelevant. For one couple who had purchased what they thought was a Modigliani portrait, the drawing that hung on their wall was valued art. When informed by a chagrined gallery owner that their drawing had been found to be a forgery, they refused his offer to buy the work back, saying they bought the drawing because it was beautiful and they loved it—no matter who painted it.

Neil Steinberg's last feature for Games was on college pranks.



Han van Meegeren's *The Letter* passed for an authentic 17th-century Vermeer, right down to the age cracks in the canvas.

Beach, a Park Avenue apartment, and a Rolls Royce, but he lost everything to a stupid mistake. Asked by a cautious dealer for authentication for a Chagall work, Stein said he had to send to Paris for the documents. He then forged the documents himself,

RANGEFINDER

A Hidden-Image Puzzle ★☆

The four rangers galloping across these pages are in such a hurry, they're oblivious to the 27 typically Western objects to be found in the scene. Some are hidden in plain sight and some are partially concealed behind other objects. See how



PHOTO BY NICK KOUDIS

WOODCUT BY LARS AND LOIS HOKANSON

many of these items you can rustle up: an arrow, a boot, a bow, a Bowie knife, a buffalo, a bullet, a cactus, a canoe, a Conestoga wagon, a coyote, a derringer, a guitar, a hangman's noose, a horseshoe, an Indian headdress, a jackrabbit,

a peace pipe, a rifle, a sheriff's star, a six-gun, a spur, a tepee, Texas, a tomahawk, a totem pole, a vulture, and a wagon wheel. Luckily for you and the rangers, there are no outlaws lurking here.

ANSWERS, PAGE 60



FOOD GLORIOUS FOOD



A CULINARY TRIVIA QUIZ

by Curtis Slepian

Famished for a food quiz? This smorgasbord of questions should satisfy your appetite. We've served up the subject in many aspects (but no aspics)—from gourmet to junk. You're invited to nosh buffet-style, or sit down and devour the entire feast at once. The material won't seem so tough if you chew over it for a while.

ANSWERS, PAGE 54

|| Eating In ||

1. There's nothing like a home cooked meal (depending on the home, of course). Though many amateur chefs improvise in the kitchen, most still depend on cook books. Which is the best-selling American cookbook of all time?

- a) *The Joy of Cooking*
- b) *The Fannie Farmer Cookbook*
- c) *The Betty Crocker Cookbook*
- d) Julia Childs' *Mastering the Art of French Cooking*

2. The recipe for success here is to guess what familiar food is made from each set of ingredients.

- a) 4 packages active dry yeast
1 quart tepid water
12 cups whole-wheat flour
2 Tbs. sugar
5 tsp. salt
2 Tbs. shortening
- b) ½ head white cabbage, finely shredded
1 large carrot, coarsely grated
5 Tbs. salad dressing or mayonnaise
1 tsp. sugar
salt/pepper
few drops of vinegar or lemon juice
- c) ¼ cup short-grain rice
2 Tbs. sugar
2 cups milk
butter
1 tsp. ground cinnamon
1 tsp. vanilla

3. Cookbooks aren't the only place one

finds recipes. Which literary work contains usable recipes?

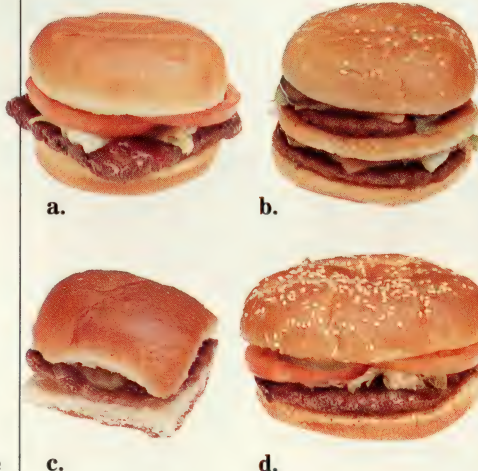
- a) *Naked Lunch* by William Burroughs
- b) *Heartburn* by Nora Ephron
- c) *A Moveable Feast* by Ernest Hemingway
- d) *Goodbye Mr. Chips* by James Hilton

|| Eating Out ||

4. Ballpark fare for hungry baseball fans is no longer limited to peanuts and Cracker Jacks. Match the regional specialties (a-e) to the baseball teams (1-5) that serve them at their home parks.

- | | |
|-----------------|-------------------------|
| a) Crab cakes | 1. New York Mets |
| b) Bratwurst | 2. San Francisco Giants |
| c) Knish | 3. Texas Rangers |
| d) Alameda wine | 4. Baltimore Orioles |
| e) Nachos | 5. Milwaukee Brewers |

5. Fast food is as American as Mrs. Smith's frozen apple pie. In this lack-of-taste-test, can you tell which is a McDonald's Big Mac, a Burger King Whopper, a Wendy's Single, and a White Castle?



6. Any food fanatic worth his imported sea salt knows the latest culinary fads. In the last 15 years, there have been three such major trends. Can you define each?

Nouvelle cuisine

- a) Lighter, fresher, more inventive food artfully presented
- b) Food quickly prepared with the newest, most high-tech kitchen equipment

Cuisine minceur

- a) The French notion that all foods should be minced for easier digestion
- b) Low-calorie food

Grazing

- a) A menu for the health-conscious that serves a series of vegetarian dishes high in roughage
- b) A menu that includes many smaller "tasting" courses, instead of a few large courses

7. Several years ago, a Gallup poll listed 34 food items and asked people which they preferred to eat at a salad bar. Can you arrange these eight foods from the list in their correct order of preference?

- a) Raw green beans
- b) Iceberg lettuce
- c) Coleslaw
- d) Hard-boiled eggs
- e) Tomato
- f) Bacon bits
- g) Fresh fruit
- h) Cucumbers

8. They don't throw banquets like they used to. Which one of the following dinners never took place?

- a) Nineteenth-century gourmand Grimod de la Reynière held a dinner with a funeral theme: Invitations read like obituaries, the centerpiece of the table was a catafalque, and a coffin stood behind each diner's seat.

- b) During a four-day eating marathon held by the Duke of Burgundy in the 15th century, 28 musicians performed inside a giant pie.
- c) Despite a local taboo against eating horsemeat, a London gentleman held an equine feast in 1864. Its menu included horse consommé, terrine of horse liver, roast fillet of Pegasus, and a 280-pound baron of horse.
- d) In 1833, President Andrew Jackson had a banquet catered by the Iroquois Indians; the spread included 20,000 pieces of fried Buffalo chicken wings, 3,000 ears of corn-on-the-cob, and 5,000 sticky buns.

|| Weird And Wonderful Foods ||

9. First it was the mango, then the kiwi. Thanks to jet transport, more foods than ever before are available to jaded palates. Can you match the exotic fruits (a-f) to their names (1-6)?

1. Carambola
2. Cactus pear
3. Cherimoya
4. Kumquat
5. Pomelo
6. Papaya

a.



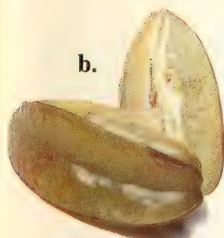
d.



e.



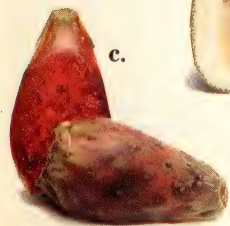
b.



f.



c.



10. These tidbits are tastier than they sound. Be adventurous and give 'em a try ... match the food (a-j) to its definition (1-10).

- | | |
|-----------------|----------------|
| a) Haggis | f) Tabbouleh |
| b) Gnocchi | g) Blintz |
| c) Jerky | h) Vichyssoise |
| d) Cornichons | i) Scrapple |
| e) Hush puppies | j) Flan |
1. Midget pickled cucumbers
 2. Crepe rolled around a cheese filling
 3. Breakfast dish made with scraps of leftover pork
 4. Leek and potato soup
 5. Pasta dumpling
 6. Salad made of steamed cracked wheat
 7. Air-dried beef
 8. Sausage made of animal innards in cow guts
 9. Deep-fried corn meal balls
 10. Custard dessert

|| Where In The World? ||

11. While Europe has sent to the Americas such classics as French fries and pizza, it's not a one-way street. Which of these foods wasn't introduced to the Old World by the New?

- | | |
|-------------|----------------|
| a) Eggplant | d) Potato |
| b) Vanilla | e) Tomato |
| c) Turkey | f) Bell pepper |

12. Viva the world's culinary Thomas Alva Edisons! Match each food (a-e) to the country (1-5) in which it was invented.

- | | |
|-------------------|------------------|
| a) Croissant | 1. China |
| b) Doughnut | 2. United States |
| c) Ice cream cone | 3. Italy |
| d) Spaghetti | 4. Austria |
| e) Pretzel | 5. Holland |

|| You Are What You Eat ||

13. For every book about the joys of eating, there's a killjoy volume on how to stop eating. Which of these diets has never been proposed in print?

- a) *The Eat-All-You-Want Diet*
- b) *The Sex Diet*
- c) *The Drinking Man's Diet*
- d) *The Couch Potato Diet*

14. No wonder Nutrasweet is so popular. The average American eats about how many pounds of sugar a year?

- | | |
|-------|--------|
| a) 10 | c) 128 |
| b) 55 | d) 175 |

15. Which food contains the highest percentage of fat?

- | | |
|---------------|----------------------|
| a) Pancakes | d) Devil's-food cake |
| b) Avocados | and chocolate icing |
| c) Buttermilk | e) Flank steak |

16. Recent findings show that some foods reduce the amount of cholesterol in the blood. Which of these won't?

- a) Oats
- b) Salmon
- c) Bananas
- d) Olive oil

17. Which of the following has more calories:

- a) A cup of pasta cooked al dente or a cup cooked tender?
- b) The white or the yolk of an egg?
- c) 10 pitted dates or 10 unpitted dates?

|| Gluttons For Punishment ||

In Roman times, Epicureans gave gluttony a bad name. But when it comes to excess, the 20th century holds its own. According to *The Guinness Book of World Records* ...

18. Per pound, what is the most expensive foodstuff in the world?

- a) Black Perigord truffles
- b) Spanish saffron
- c) Beluga caviar
- d) Chinese wild ginseng

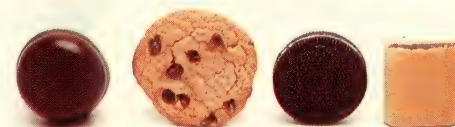


19. In 1983, champion eater Peter Dowdeswell of England ate 100 yards of spaghetti in how many seconds?

- | | |
|---------|----------|
| a) 5.1 | c) 61 |
| b) 21.7 | d) 122.4 |

20. Which is the all-time best-selling cookie?

- | | |
|----------------|----------------|
| a) Mallomars | c) Oreos |
| b) Chips Ahoy! | d) Fig Newtons |



|| Final Course ||

21. This quiz covers food from soup to nuts. Speaking of which, here's the question about nuts: Only one of the following is a true nut. Which one?

- a) Pecan
- b) Brazil nut
- c) Peanut
- d) Almond



TRAINING EXERCISE

A Timetable Maze by R. Wayne Schmittberger

★★

The night before she was to leave for her dream vacation around the world, Sally Forth, at home in Alphaville, couldn't find the passport she had picked up that afternoon in the city of Hope Springs. As she was desperately looking through her briefcase for the fourth time, the phone rang. Her passport was at the Lost & Found department at the Hope Springs railroad station.

The following morning, a few minutes before 7:00, Sally arrives at the Alphaville train station. In order to catch her flight to Europe from the Alphaville airport, she has to make

the round trip to Hope Springs and back before noon. The timetables for eastbound and westbound travel between Alphaville and Hope Springs are shown below. Each horizontal row in each of the two timetables represents a different train. Dashes appear at stations where the train does not stop. A series of Xs indicates the end of the line. For example, the 7:00 train from Alphaville stops only at Fortuna, which is the end of its route; while the 7:10 from Alphaville stops at every station, arriving at Hope Springs at noon.

Sally can wait at stations, transfer

from one train to another, and change directions as often as she wishes. For example, she might take an eastbound train part of the way to Hope Springs, then switch to a westbound train in order to catch a faster eastbound train at another station.

Assume that all the trains are running on time, that transferring to another train takes fewer than four minutes, and that picking up the passport at Lost & Found takes only a minute. Can you find the one way that Sally can make it from Alphaville to Hope Springs and back before noon?

ANSWER, PAGE 58

EASTBOUND (times of departure)							
All times are A.M. unless shown in boldface.							
Alphaville	Betaville	Clarksville	Discovery	Ephemeral	Fortuna	Gamesport	Hope Springs
7:00	---	---	---	---	8:10	XXXX	XXXX
7:10	7:40	8:30	9:10	10:00	10:30	11:20	12:00
XXXX	7:20	7:50	8:10	---	8:40	XXXX	XXXX
7:20	---	---	7:50	---	8:30	9:00	9:30
XXXX	7:30	8:20	---	---	---	8:50	9:00
7:40	8:10	---	8:50	---	9:20	9:40	10:00
XXXX	7:50	---	8:10	---	8:40	XXXX	XXXX
7:50	---	---	---	8:30	9:00	9:20	9:40
8:30	9:00	---	---	9:30	9:50	10:20	10:50
XXXX	XXXX	8:40	---	---	---	9:10	XXXX
9:30	10:00	---	10:30	---	11:00	---	11:30
10:10	10:50	11:30	---	12:00	XXXX	XXXX	XXXX

WESTBOUND (times of departure)							
All times are A.M. unless shown in boldface.							
Hope Springs	Gamesport	Fortuna	Ephemeral	Discovery	Clarksville	Betaville	Alphaville
7:00	---	7:20	7:40	8:00	8:10	---	9:00
7:10	7:30	8:00	8:20	9:00	9:30	10:10	10:50
7:50	8:20	8:50	9:10	---	9:40	---	10:20
8:20	8:40	---	---	---	10:00	XXXX	XXXX
8:50	---	---	---	9:40	---	---	11:10
9:10	---	---	---	9:50	XXXX	XXXX	XXXX
9:15	---	---	---	10:05	XXXX	XXXX	XXXX
9:20	---	---	9:40	10:00	---	10:30	XXXX
9:50	10:10	---	10:30	10:50	---	11:20	XXXX
XXXX	XXXX	XXXX	10:10	---	---	10:40	XXXX
10:20	---	10:50	---	11:10	---	11:30	12:05
XXXX	XXXX	10:40	---	---	11:20	---	11:50

PENCILWISE



MARCHING BANDS ★★

BY MIKE SHENK

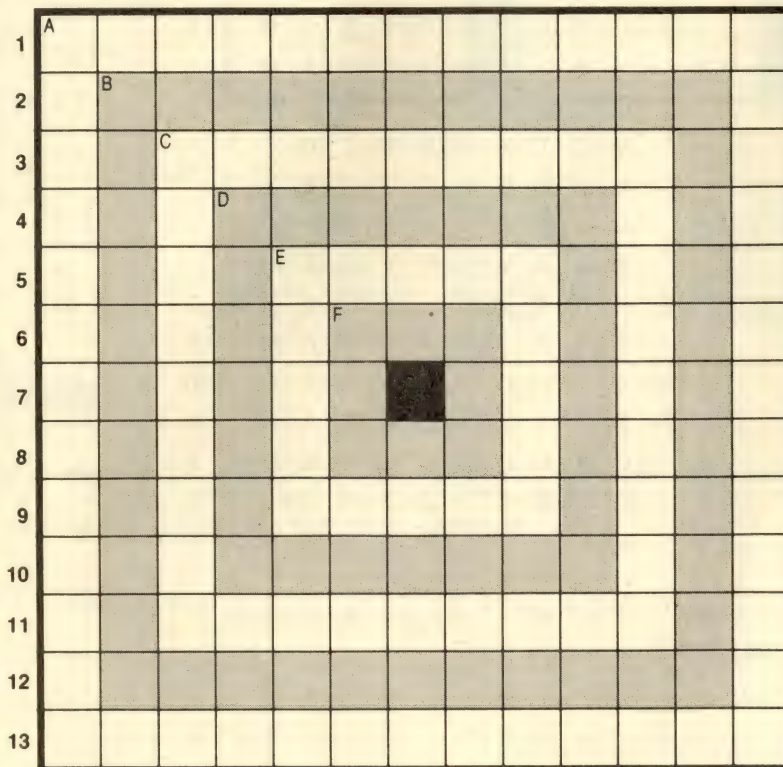
The words in this puzzle march around the grid in two ways. In one formation ("Rows"), words march across—two words for each numbered line, reading consecutively from left to right. The dividing point between these answers is for you to determine, except in row 7, where the words are separated by a black square. In the second formation ("Bands"), words march around each of the six shaded and unshaded bands, starting at the lettered squares (A, B, C, D, E, and F) and proceeding in a clockwise direction, one word after another.

For example, Band "A," when filled, will contain seven consecutive words (a through g) starting in square "A" and reading around the perimeter of the grid. Band "B" will contain a series of six words (a through f) starting in square "B." Again, the dividing point between these answers is for you to determine. All clues are given in order. When the puzzle is completed, each square in the grid will have been used once in a Row word and once in a Band word.

ANSWER, PAGE 58

ROWS

- 1 a Breather
b Downpour
- 2 a Poet Khayyam
b Lopsidedness
- 3 a Old photo tint
b Aristocrat
- 4 a Murdered
b Medical specialist
- 5 a Competent
b Declaration of intent
- 6 a Braque's art school
b Bar order
- 7 a Showy flowers
b Modifies
- 8 a Household bird
b DJ's platters
- 9 a Belgrade resident
b Capone, in *The Untouchables*
- 10 a Sewing machine pedal
b Filet _____



- 11 a Nymph chaser
b Alice or Flo

- 12 a Directed at the center
b Be half-asleep

- 13 a Whirling
b Pastoral poem

BANDS

- A a Curbs
b Persecuting ones
c Romulus and Remus, to Mars
d _____ May, of *The Beverly Hillbillies*
e High muck-a-muck
f Central ideas
g *Guernica* painter
- B a Xylophone's cousin
b Ruling family of England, 1399-1461
c Pencilwise puzzles
d Sketched
e Scope
f 100 kopecks
- C a Nero's instrument
b Birthmarks
c Tendency to stay put
d Ironic
e Worse than bad
- D a Basketball season
b Bringing home
c One of the Marcoses
d Musical Count
- E a Cylinders-to-exhaust connection
b Author Ferber
c Turner and Eisenhower
- F a Sea cows

A Prize-Winning Word Search

The blue ribbon below (well, it *would be* blue if we used color in this section) contains the names of 40 things for which you might win a first prize at the State Fair. As always, an answer

may be hidden horizontally, vertically, or diagonally, but always in a straight line. Solvers who can find all 40 earn a blue ribbon in Word Search Solving.

ANSWER, PAGE 60

APPLES

BASKETRY

BREADS

CAKES

CALF ROPING

CARPENTRY

CATTLE

CHICKENS

CORN

CROCHETING

EMBROIDERY

FIDDLING

FLOWER

ARRANGEMENT

GLASS BLOWING

HOG CALLING

HORSESHOES

JAMS AND

JELLIES

KNITTING

MACRAME

I Y B N P

B A T T A H L E E O R

B U B S S I N P E S A S S

W H A R K T G W E A V T C E R

T H H E E G A N M E J R E I H N L

A W O T A G N I L L A C G O H E O

R S R I D N L T O W M V V O E I S

T I Y S S S E C A B V S E I R T T H E

S A E E M E I O E N T A H E N S O S T

R U K S Q U A R E D A N C I N G G H G

L E R H F O R N I C R D P O G N O W P

F E U O R I O R P A T J L H N I E S C

L T E E B G N I L L E P S I L R A

A O S S E I P Y F M L G M T D B L

E P W F O R O R R P L N E L D L F

L P E E T T E O T I I H I I I

S L R B T D P E E R M U F

Y E A E I I O S A U Q

W S R O N Y C E R

M O T Y R G R T H O R

E L Y O B A T N S Y O

U R S E M L N S P F F

G C S E E O E G E M R

W L H A E E L P T E H E R

T A H E T K P R T H M T R

W S I Z C T A A E S R E B

H S T I E A L C R A G I N

B I B P A B W O E C N N O R T

T T L H R O T O T N E I T H E

V T O S R O L O C R E T A W G

I L W K C T R F M H O E R I N

S H I I E W P H E A I H O C I A

N G N N O U U I T D T C A L T O

N G G G L E M F R O A O K M T T

H E G L A M P E O F L R E E I I

F E B I Y J O K H N C A S N G O

D F N R E Y I S A X P K S E

E G D N I T H R

U S D Y

METALWORKING

PARADE FLOATS

PEACHES

PHOTOGRAPHY

PICKLES

PIE EATING

PIES

POTTERY

PUMPKINS

QUILTING

SHEEP SHEARING

SPELLING BEE

SQUARE DANCING

STRAWBERRIES

TOMATOES

TRACTOR PULLING

TURKEYS

WATERCOLORS

WATERMELONS

WEAVING

WHITTLING

WATER SUPPLY ★

BY SUSAN GELFAND

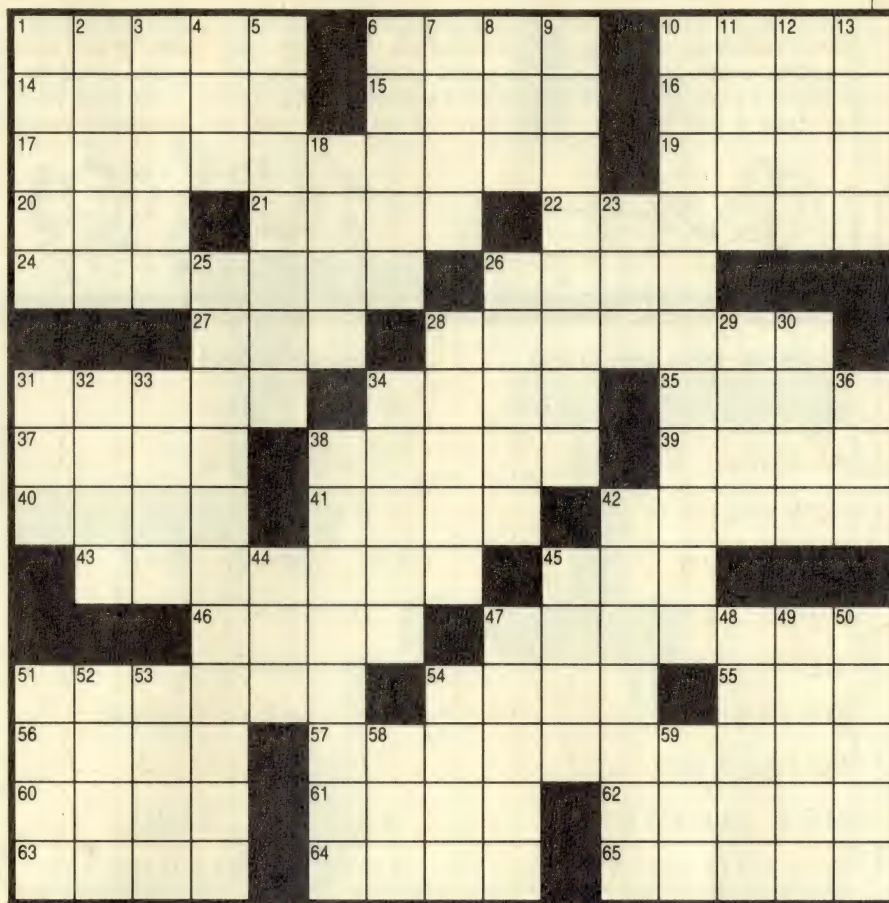
ACROSS

- 1 Fix a skirt or suit
- 6 El _____, Texas
- 10 Speaker's platform
- 14 Strainer
- 15 Tel _____, Israel
- 16 Indian of Peru
- 17 Modernize
- 19 Noted English school
- 20 Ending with ballad or pamphlet
- 21 College girl
- 22 _____ *Bull* (DeNiro film)
- 24 John Deere vehicle
- 26 Norway's capital
- 27 Above, to a poet
- 28 Guided a ship
- 31 Oscar or Emmy
- 34 Computer info
- 35 "What's the big _____?"
- 37 Lion's abode
- 38 Mosquito stings
- 39 Sell
- 40 Lowest engine speed
- 41 Declare
- 42 Ladies' partners
- 43 Attempted, as a school paper?
- 45 Knight's title
- 46 Spur
- 47 Story with a moral
- 51 Lie next to
- 54 Operatic solo
- 55 _____ Vegas, Nevada
- 56 Without fat, as meat
- 57 Surroundings
- 60 Watch over

- 61 Person "twixt 12 and 20"
- 62 Barbed wire or cyclone, e.g.
- 63 Miner's metals
- 64 Sight for _____ eyes
- 65 Church or tribal official

DOWN

- 1 Balance sheet entry
- 2 Soft drink bottle capacity
- 3 Word with cotta, firma, or incognita
- 4 New Year's _____
- 5 Responded
- 6 Not as bright
- 7 Eager
- 8 Break a Commandment
- 9 Abroad
- 10 Renowned Mexican muralist: 2 wds.
- 11 Totally opposed
- 12 Image
- 13 Crooned
- 18 Boggy area
- 23 Pub offering
- 25 Writes to a pen pal
- 26 Frisky water animal
- 28 Satisfied
- 29 Adam and Eve's home
- 30 Parking lot mishap
- 31 Boxing's "Greatest"
- 32 Walk through water
- 33 "Good for what _____ ye"



ANSWER, PAGE 58

- 34 Plummeter
- 36 Classifieds
- 38 Weapons used in close combat
- 42 Tall animal at the zoo

- 44 Onassis's nickname
- 45 Go yachting
- 47 Trim a rosebush
- 48 Kitchen mixer setting

- 49 _____ corporal (Marine rank)
- 50 Fragrant compound
- 51 Palo _____, California

- 52 Antlered critter
- 53 Tarzan's lady
- 54 Ripener
- 58 New: Prefix
- 59 Actor Ferrer or Gibson

MUM'S THE WORD ★★

BY BURT HOCHBERG

Each answer to the clues below includes a word for the girl that married dear old dad, whether she's called MOTHER, MOMMY, or some variant thereof. For example, the clue "Mar-

jorie Main movie role" would lead to MA KETTLE, while "May 8, 1988" would be MOTHER'S DAY. (We tossed that in as a free reminder.)

ANSWERS, PAGE 58

1. "Author" of many nursery rhymes _____
2. Al Jolson hit song _____
3. Magical Cinderella character _____
4. Chief nun _____
5. Joan Crawford bio _____
6. Popular painting's familiar name _____
7. Cass Elliot's group _____

8. Main vein of ore _____
9. "It's not nice to fool" her _____
10. Michael Keaton-Teri Garr movie _____
11. Lustrous material from shells _____
12. 1944 John Van Druten play _____
13. Gangster matriarch _____
14. Noted classical cellist _____

Below are six lists of related words and phrases that have been translated into simple cipher alphabets. The letter substitutions remain constant within any one group of words (for instance, if v represents G in one word, it will represent G in all the words in that list), but change from one list to the next. A

tip to new solvers: Start by thinking of answers that might fit one of the categories; then see if any of the enciphered words in the list have that same letter pattern.

The sixth list has been left untitled. Solve the code in order to determine what the items have in common. **ANSWERS, PAGE 54**



1. INDIAN ITEMS

Example: Bow and arrow

MXDMGI
AVGWV AXAV
IZWWGTXJT
SVGYRVK
RVGEEKVTT
YZYVI AZHV
MGIABI
YZIGRGMQ
MGK AGXJY
EUVKTQXJ AGJYT
AGAZZTV



2. GAME SHOWS

Example: Wheel of Fortune

WRKXSTIH!
PKOOHMKKI
ALGSTRA
UK UROO UPR
UTGUP
XSAAMKTI
UPR XTNZR NA
TNEPU
QSBNOH QRGI
ZKYZRYUTSUNKY
WKDRT'A MNOI



3. AT A BANK

Example: Withdrawal slip

WJQBFWQYN QLSSLO
HWML ZLRBHYQ
XBA
YUQLOLHQ OWQLH
MBOLYVU LANKWUVL
SBWU YUDJYOYLH
NKLNTYUV WNNBJUQ
NKOYHQFWH NSJX
HWCYUVH XBUIZ
XBJUNLZ NKLNT
HLNJOYQG NWFLOW



4. ODD COMIC BOOK TITLES

Example: Atomic Mouse

VGL VWSXUAA
DSHSX DKXGTWKDV
HSSB-PJS
HSIDHPHUKBV
GUF TPXXKHV
HSVVUS HWS
HLDUVH
VOPRS JUXO TKIUTV
NKL TKIIPBFKV
XKTG PBF XKOOK
AXUVGL APNOSV



5. TURNING 50 THIS YEAR

Example: Elliot Gould

EYPCOEK QLRNOBYR
PWRRYL JEORPYI
EYPC XYVVXL
NWCRT HOTPCLPM
ELD ELLK
NWR FWYZCV
IAHLEBOR
HLVLE NLRRYRZI
EAKWXJ RAELTLF
ZWEKWR
XYZCVJWWV



6. MYSTERY LIST

What do they have in common?

PKUU PROKF
LGZXUTZLKF'X
WTXOEU
OTK LRVK
AEZAUGXTEZX
CRLRFS BRAK
PTZZTZL KZOFQ
XOFRPX
SKKW JFKROC
AFEPS
AEVTA XOFTW

GETTING THINGS DONE ★★

BY JOE CLONICK

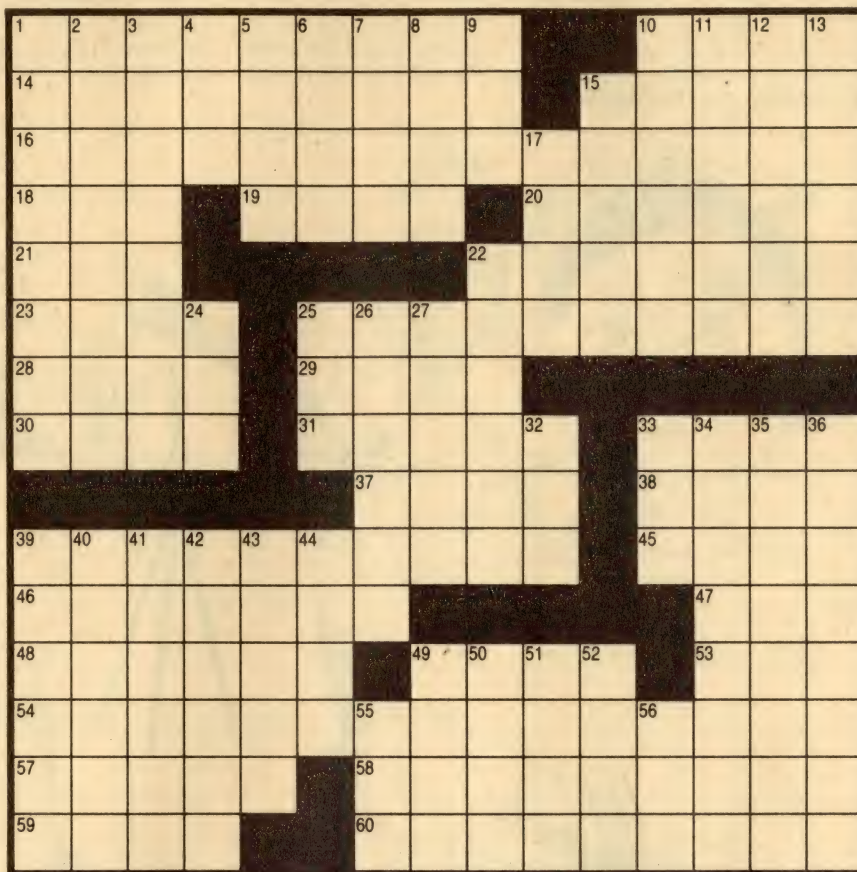
ACROSS

- 1 PBS public affairs show
- 10 Lobster eaters' attire
- 14 On borrowed funds, as a buyout
- 15 Playwright Jean
- 16 Somehow: 4 wds.
- 18 "___ the ramparts..."
- 19 Three feet
- 20 Not live: 2 wds.
- 21 Football linemen: Abbr.
- 22 Part of L.A.
- 23 Postcards, e.g.
- 25 Guilty pleaders: Var.
- 28 Woodworking tool
- 29 Plaintiff
- 30 Requirement
- 31 In position, as a sail
- 33 Butter substitute
- 37 Somewhat, in music
- 38 "To Sir With Love" singer
- 39 Three-sided
- 45 Helper: Abbr.
- 46 Be rampant: 2 wds.
- 47 ___ for tat
- 48 L.A. neighborhood
- 49 Cry of achievement
- 53 Genetic material
- 54 Somehow: 5 wds.
- 57 Loamy soil
- 58 Corporate bond
- 59 Within: Prefix

- 60 Ladies with crystal balls

DOWN

- 1 Department store worker
- 2 Outlaw
- 3 Larger than normal
- 4 Freshly minted
- 5 Breakfast-in-bed "table"
- 6 ___ wager (bet): 2 wds.
- 7 *Prince* ___ (Borodin opera)
- 8 Twerp
- 9 Author LeShan
- 10 Actresses Midler and Davis
- 11 Take a deep breath
- 12 Electronic summoner
- 13 Ulcer cause, reportedly
- 15 Disapproves of, à la Chuck Barris
- 17 *And Then There Were* ___ (Christie whodunit)
- 22 "The Dark Continent"
- 24 Conducted
- 25 "Stars and Bars" inits.
- 26 Production yield
- 27 Alcohol used in perfume
- 32 ___ favor
- 33 Ending for pay or gran



ANSWER, PAGE 58

- | | | | |
|-----------------------------------|-----------------------------|----------------------|-----------------------------------|
| 34 Gleaming | 40 Writer Damon | 43 Kids, in Cadiz | 51 Fabric colorer |
| 35 Hamlet's home | 41 Crept like a caterpillar | 44 Lcky stuff | 52 Teen woe |
| 36 Film on the cutting-room floor | 42 Songlike, musically | 49 Sycamore, for one | 55 ___ bodkins! |
| 39 Kind of clef | | 50 Singer Lane | 56 Stock market privileges: Abbr. |

SHORT CHANGES ★★

BY DON WULFFSON

Add one letter to each word below—at the front, at the end, or somewhere inside—so that each numbered pair becomes

two words of opposite meanings. For example, adding P and L to PLUM and SENDER in # 1 makes PLUMP and SLENDER.

ANSWERS, PAGE 58

- | | | | | | |
|-----------|--------|-----------------------|---------------|--------|-------|
| 1. PLUM | SENDER | <u>Plump, Slender</u> | 9. ORATE | PLAN | _____ |
| 2. VIOLET | CAM | _____ | 10. SOLD | RAISE | _____ |
| 3. FLAT | SIN | _____ | 11. COMPETE | LACING | _____ |
| 4. BONY | WHIT | _____ | 12. MOON | GENUS | _____ |
| 5. MARRED | SINGE | _____ | 13. PLAID | STORY | _____ |
| 6. RAID | SOW | _____ | 14. TACT | SATED | _____ |
| 7. KID | MAN | _____ | 15. BUGLER | EXERT | _____ |
| 8. STALE | SHAY | _____ | 16. UNIFORMED | LEANED | _____ |

TWISTED TELEVISION ★★

Our local paper's TV listings are riddled with typos. Every time we sit down to see what's on the tube, we find shows like LITTLE MOUSE ON THE PRAIRIE, LUST IN SPACE, and AMERICAN HANDSTAND. If you ask us, the images these titles conjure up are more fun than the real thing.

We've illustrated some of those misprinted titles below. Under each picture, fill in the blanks with the name of a familiar TV show, past or present—with exactly one of its letters changed. How many can you identify?

ANSWERS, PAGE 58



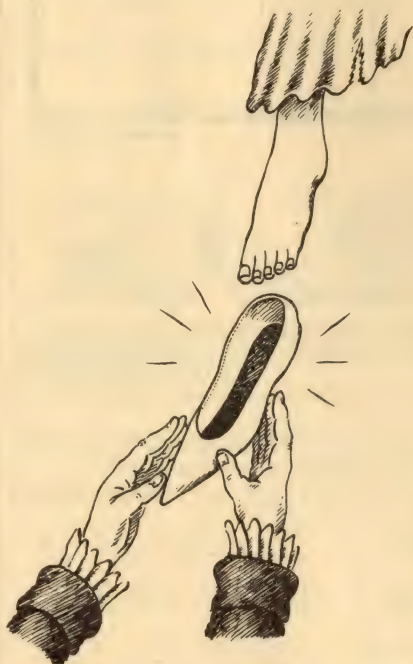
1. _____



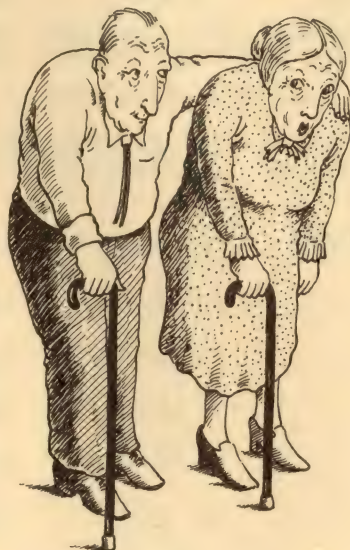
2. _____



3. _____



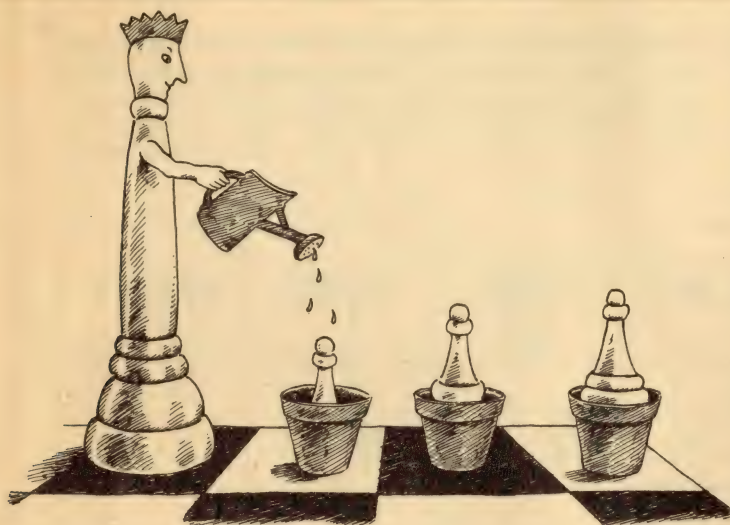
4. _____



5. _____



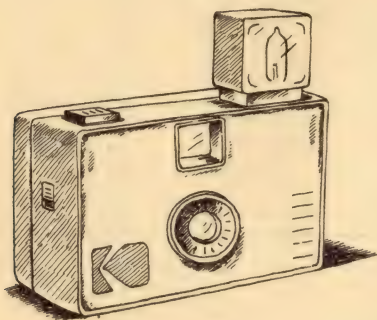
6. _____



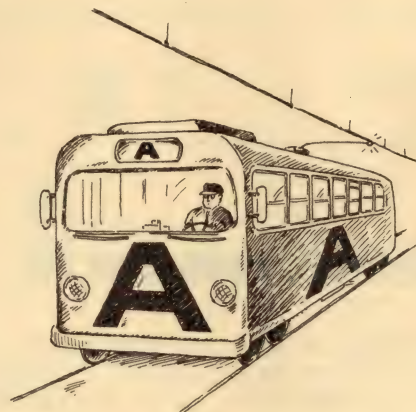
7. _____



8. _____



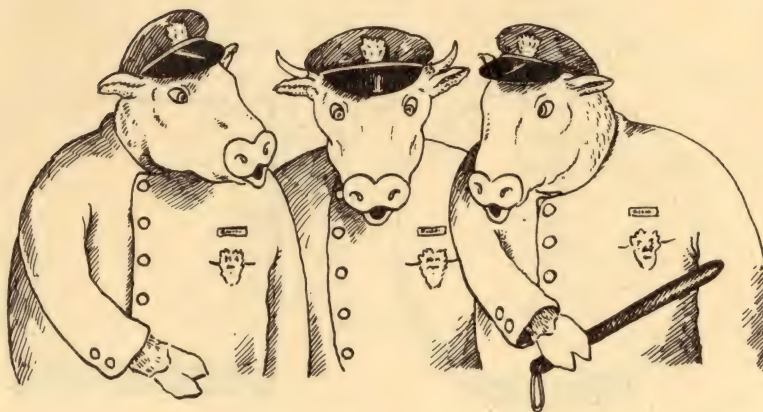
9. _____



10. _____



11. _____



12. _____

TITLE BOUT ★★

BY LOUIS PHILLIPS

Can you think of a song, a movie, a novel, and a TV show whose names contain each of the six words in the top row of the grid? For example, given the word GOOD, you could answer "Good Vibrations," *The Good, the Bad, and the Ugly*, *The Good Earth*, and *Good Times*. (Other answers are also

possible.) Note: No title may be used in more than one category. *The Good Earth*, for example, could count as either a novel or a movie, but not both. Getting 12 or more answers is good; 18 is excellent. Only gold-medal "titlists" will get all 24.

ANSWERS, PAGE 56

	BLACK	FLYING	ISLAND	STREET	THREE	VALLEY
Song						
Movie						
Novel						
TV Show						

ALTERNATING CURRENCY ★★

BY KEITH RINGKAMP

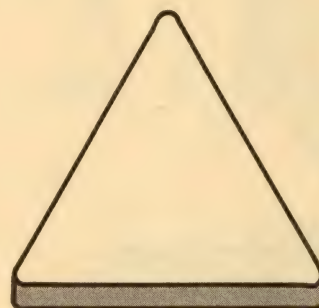
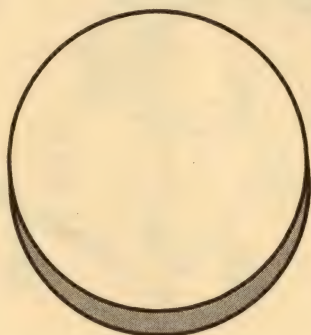
The distant kingdom of Azalia has recently issued three new coins. Each coin has a different value (17, 36, or 55 pengos), a different color (olive green, maroon, or turquoise), and a different shape.

If you randomly select a coin, it will be either olive green, a

circle, or the 17-pengo piece. If you randomly select another coin, it will be either turquoise, a triangle, or the 36-pengo. The triangular coin is worth more than the square coin.

What color and what shape are the different values of coins?

ANSWER, PAGE 58



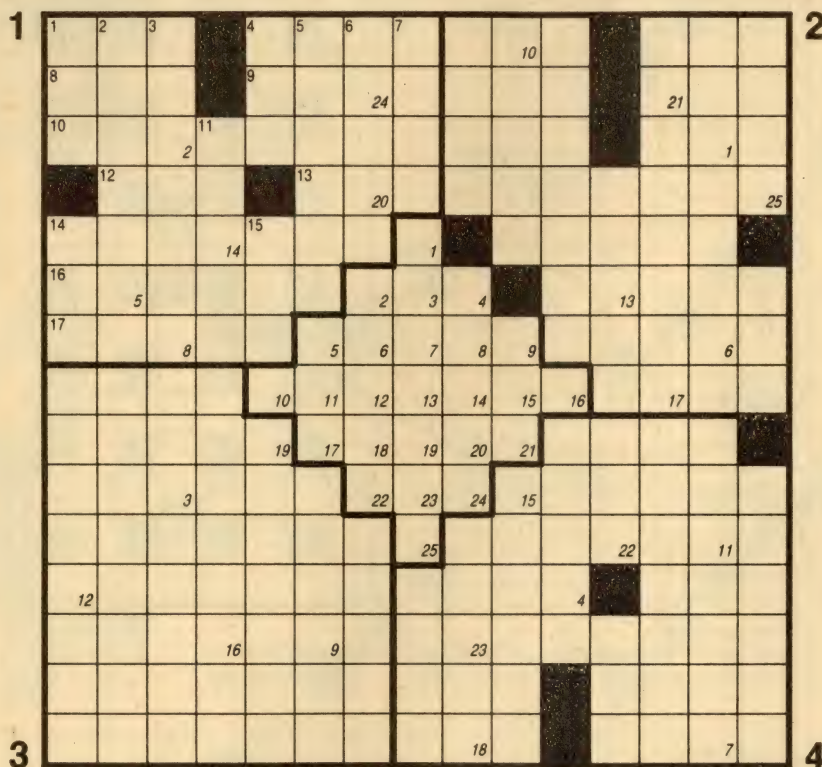
FOUR-IN-ONE CROSSWORD ★★★

BY WILL SHORTZ

This crossword is really four crosswords in one, each part to be solved in a different way. Part 1, in the upper left corner of the diagram, is a regular crossword, to be worked in the usual manner. Part 2, in the upper right, is a fill-in. (Enter the 19 given words into the diagram across and down to complete the corner.) Part 3, in the lower left, is a diagramless. (Solve as a regular crossword, but adding the numbers and black squares in the grid as you go.) And Part 4 is a crossword with the clues in scrambled order.

Note that some of the squares in the diagram have numbers in the lower right. When all four parts of the puzzle are completed, transfer the letters in these squares to the correspondingly numbered squares in the center. The result, reading in order from 1 to 25, will spell a quotation by Goethe.

ANSWER, PAGE 54



PART 1: Crossword

ACROSS

- 1 Witch
- 4 Taxis
- 8 Baseball stat
- 9 D-Day beach
- 10 A lot of vitamins
- 12 TV alien
- 13 Pot's top
- 14 Not flexible
- 16 Writing no-nos
- 17 Insurance dealer

DOWN

- 1 Edge of fashion
- 2 Floor cover: 2 wds.
- 3 It's enough to make you laugh: 2 wds.
- 4 A good chew
- 5 Coral islands
- 6 Jazz's Count
- 7 Backyard building
- 11 River of Scotland
- 14 This is a holdup!
- 15 Powerful sticks

PART 2: Fill-In

ASP
BAD
ELS
HAS
MAB
OWE
THO

ANNS
BOMB
POSY

AWARD
DRANK
KNIFE
SNAIL
VANNA

BRAVERY
DEBARKS

ATHENIAN
SHARK FIN

PART 3: Diagramless

ACROSS

- 1 KGB worker
- 4 Golfer's aids
- 6 Pour water on
- 8 Gossip
- 9 Galley equipment
- 11 Letter after zeta
- 12 "Made in the ____"
- 13 Second coming
- 15 Holiday bird
- 16 Uncle Sam's "want"

DOWN

- 1 General's plan
- 2 Tot's game
- 3 Tokyo exchange
- 5 Cleans with a wire brush
- 6 Textile employee
- 7 Rush
- 10 Stadium cheer
- 14 Letters of debt

PART 4: Scrambled Clues

Actor DeNiro
It's never at home: 2 wds.
Commercials
Goodman, "The King of Swing"
Constrictors
Lower California
Alternative conjunctions
Scent
Farm building
Biblical king and wise man
Kernel holder
Electrical units
Turned left, as a plowhorse
Pear-shaped fruit
Clampett of *The Beverly Hillbillies*
Star Wars pilot: 2 wds.
Negative advice
Prayer's answerer
Zeal

CRYPTIC CROSSWORDS ★★★

Each clue in a cryptic crossword contains two parts: a definition of the answer and a second description of it through wordplay. Finding the dividing point between parts is the key

to solving. Watch for anagrams, hidden words, charades of two or more smaller words, and other language tricks. Puzzle 2 is harder than Puzzle 1.

ANSWERS, PAGE 56

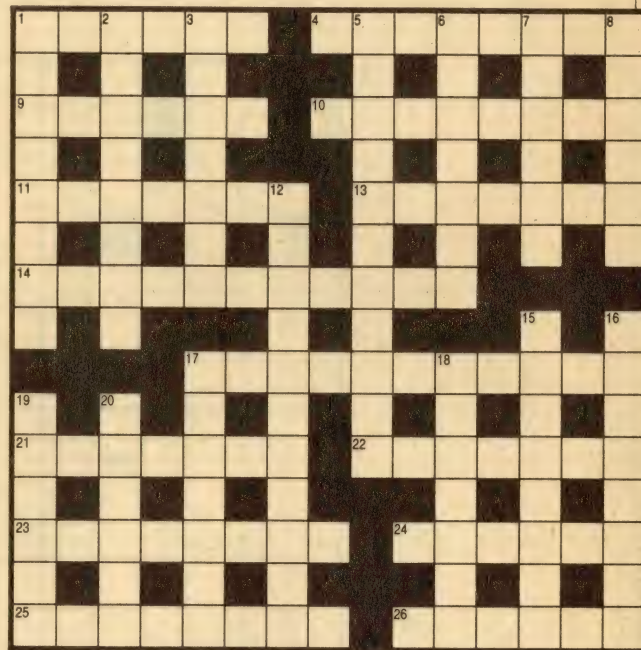
PUZZLE 1 BY SCOTT MARLEY

ACROSS

- 1 Skin treatment discovered inside of a CIA laboratory (6)
4 Oddly, a chin pad gives advantage to golfer (8)
9 Step up near amplifier and do over (6)
10 Sinner lied over reforming (8)
11 Swiftian comedy's opening, one Miss Moreno's backing (7)
13 Sexy young girl's disagreement in Russia about speedometer reading (7)
14 Strange legend about traitorous spy (6,5)
17 Reprint question, run pointless reply (3,8)
- 21 Broken gear ran, being put in order (7)
22 Watch sound cotton fabric (7)
23 A page with little hunger (8)
24 He's in tiptop order (6)
25 Kind of pad found in the lip or tongue (8)
26 Kitchen gadget that sounds larger (6)

DOWN

- 6 Fix boundaries for sandwich shop on Massachusetts campus (7)
7 Guevara taking chance in outfit (6)
8 Messing up, I try virtue (6)
12 Idle talk about garbled line from relayed communication (5,6)
15 How Uranus is finished: Neptune's weapon is loud (8)
16 Around street, rising esteem for hot rod (8)
17 No bridge partnership is on top continuously (7)
18 Relative at topless bar is in doubt (7)



- 19 A bishop surrounded by laundry at Midwest river (6)
20 Push noose into place (6)

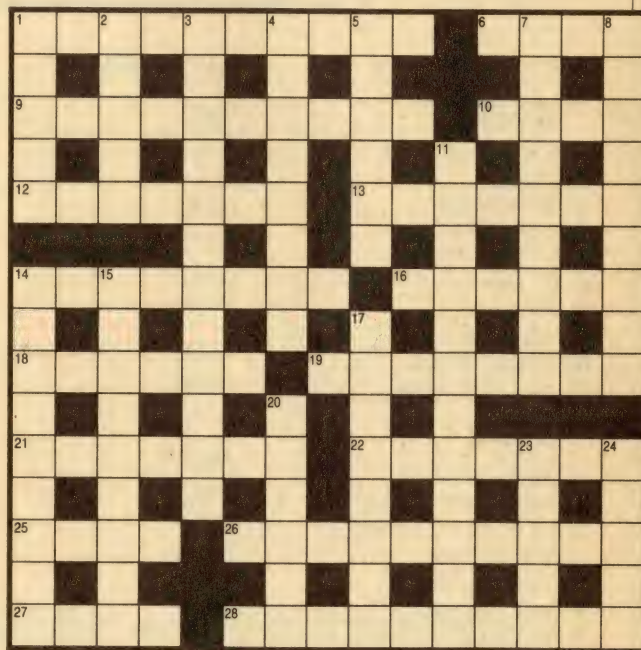
PUZZLE 2 BY KAREN HODGE

ACROSS

- 1 Greek goddess comes back inside, covered with pearls and without a hat (10)
6 Knife and clubs returned (4)
9 Scientific manager's torn trenchcoat (10)
10 Foreign capital invested in Czechoslovakia (4)
12 Used a hose and raced around beam (7)
13 Shocking act right in the middle of power failure (7)
14 Ignore dance club nut whirling (8)
16 Fury returns, assuming one title for the Queen (6)
18 Cobb grabs trumpet that's sticky (6)
- 19 Calming, like that "love object" (8)
21 Guilty feeling about code-maker (7)
22 Revolutionary decreed and went away (7)
25 Fraternity members train at outskirts of Kansas (4)
26 Magic with about 100 ships (10)
27 Flip over, bird's sound (4)
28 Inmate's illegal seizure and plotting (10)

DOWN

- 4 One driver initially in stress from collision (8)
5 Charm turned up in Roman Empire's beginning (6)
7 Famous conductor to study in Italy's capital (9)
8 Gun's noise keeps frantic Romeo from returning weapon (9)
11 Wrongly cite crop cost from bacteria (12)
14 Stop fellow with cleanser (9)
15 Hear smoke bombs from cobbler (9)
17 Perform prayers for some track events (3,5)
20 Eleven breaking into Maine



- company from somewhere down South (6)
23 Play doctor with group of doctors (5)
24 Edit type, including short song (5)

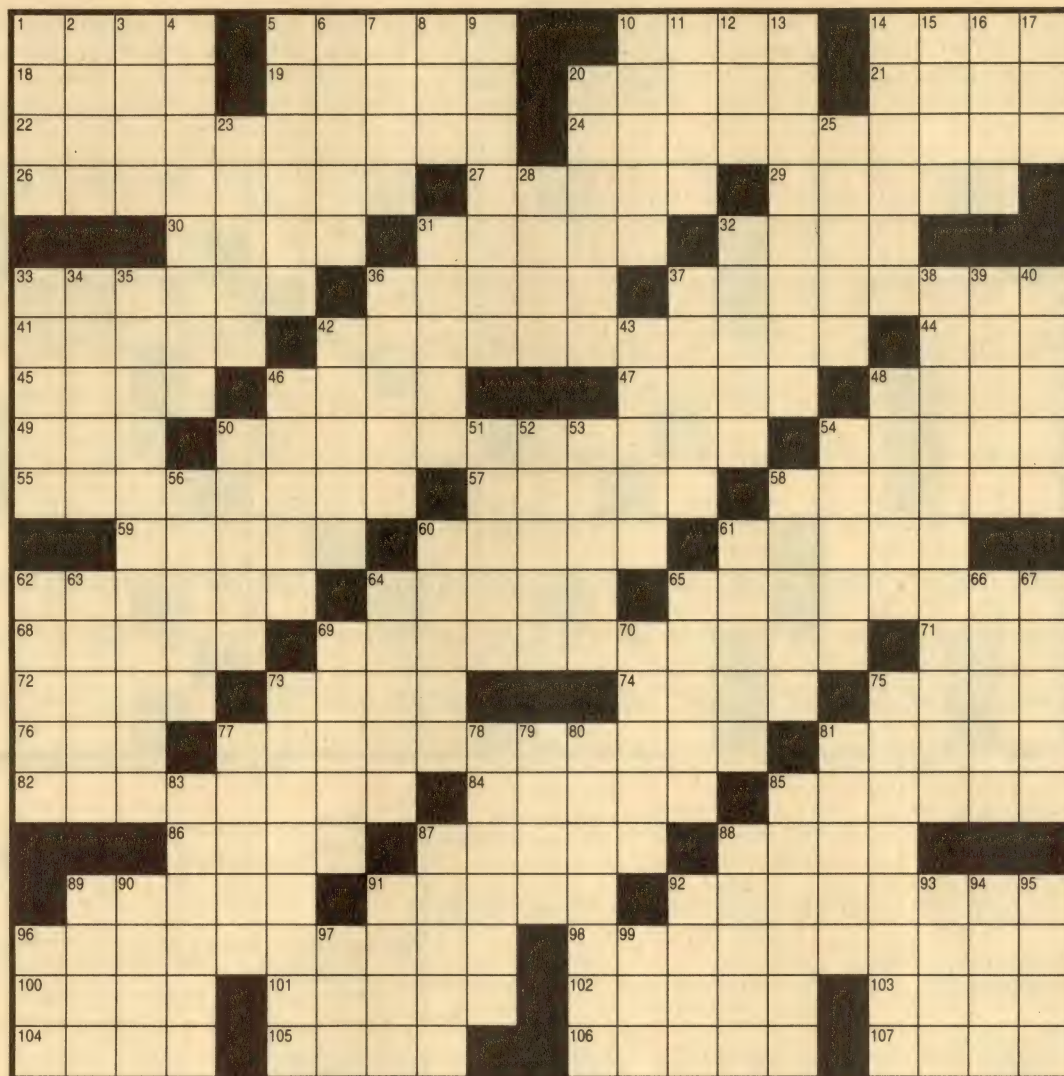
For tips on solving cryptic crosswords, send a stamped return envelope to: "Cryptic Solving Guide," GAMES, 810 Seventh Avenue, New York, NY 10019.

NAME-DROPPING ★★★

BY NANCY ROSS

ACROSS

- 1 Harvest
- 5 Hi hi
- 10 Ont. or N.B.
- 14 "The wolf ____ the door"
- 18 "____ want for Christmas . . ."
- 19 Vitamin C source
- 20 Quietly, to the orchestra
- 21 Burrito's kin
- 22 Cut wood?
- 24 No more?
- 26 Quiz show contestant
- 27 Body shop fixes
- 29 Whoopi, in *The Color Purple*
- 30 Bowlers, e.g.
- 31 Inclines
- 32 Muslim judge
- 33 Lumberjacks
- 36 Jigsaw minutia
- 37 Like Charlie McCarthy, e.g.
- 41 ____ *Irish Rose*
- 42 Artless?
- 44 ____ Got a Secret
- 45 Dudley Do-Right's girlfriend
- 46 Over
- 47 Vikings landed there
- 48 Re hosp. doings
- 49 Actress Dolores ____ Rio
- 50 No exits?
- 54 They're owed on the road
- 55 Incentive
- 57 Plant ____ of doubt
- 58 Cook slowly in liquid



ANSWER, PAGE 54

- 59 Alleviates
- 60 See 12-Down
- 61 "____ sec!"
- 62 Got the gas
- 64 One who's beside himself?
- 65 Nursery furnishing
- 68 Egg silhouettes
- 69 No win?
- 71 Ben-____
- 72 Acts of the Apostles writer
- 73 Shopping aid
- 74 Golden Rule word
- 75 Figure skater Thomas
- 76 ____ du Diable
- 77 Strike one?
- 81 Prove otherwise
- 82 Lives it up
- 84 Hot dog garnish
- 85 Merchant
- 86 Cockney's quests
- 87 Flip response?

- 88 French comic actor Jacques
- 89 "Ya ____ believe!"
- 91 Opposite of 20-Across
- 92 Rotary-wing aircraft
- 96 Far out?
- 98 Take off?
- 100 Clock numeral
- 101 Kate's mate
- 102 Winning side in '65
- 103 Subdued
- 104 *Cliff's Notes* info
- 105 Present time?
- 106 Polar explorer
- 107 *National Enquirer* competitor

DOWN

- 1 Asian noble
- 2 Photographic developing powder

- 3 Hamlet's cry re Yorick
- 4 Pyrotechnic spinner
- 5 Puts on the qui vive
- 6 Yukon river
- 7 Gen. Bradley
- 8 Not vert.
- 9 "The woods are lovely, dark, ____": Frost
- 10 Actress ZaSu
- 11 Stadium shouts
- 12 With 60-Across, singly
- 13 Pelée and Krakatoa, e.g.
- 14 Like this
- 15 Ranee's wrap
- 16 Ranch component
- 17 Tot's Xmas gift
- 20 Vaudeville comedian Joe

- 23 Approaches
- 25 Track relentlessly
- 28 @
- 31 British tar
- 32 Stallone flick
- 33 MGM Grand rival
- 34 Red as ____
- 35 Lost shoe?
- 36 Toughs
- 37 "And be ____ for such disguise . . .": *Twelfth Night*
- 38 Man overboard?
- 39 Sermon subjects
- 40 Thickheaded
- 42 Witch word?
- 43 Pageant host
- 46 Distributed
- 48 Raccoon's relative
- 50 Dodges, in a way
- 51 Koch bestseller

- 52 "With ____ in My Heart"
- 53 Taylor or Richards
- 54 Actress Van Devere
- 56 Sap source
- 58 Low figure?
- 60 Rorschach designs
- 61 Imperfections
- 62 Henry of Webster
- 63 Palatal pendant
- 64 First asteroid
- 65 *The Hunted*, in a 1987 movie
- 66 Musicmaker Blake
- 67 Judge, perhaps
- 69 What's this?
- 70 Dupes
- 73 Crusoe or Gilligan
- 75 Tickles pink

- 77 Coup group
- 78 Held wide apart, in ballet
- 79 "... ____ or a miss?"
- 80 Angry
- 81 Pick to win
- 83 Rig
- 85 Soft and smooth
- 87 Comedienne Fields
- 88 Coach
- 89 Cager Goodrich
- 90 Lima locale
- 91 Hew
- 92 Minor place?
- 93 "____ your disposal"
- 94 "____ Lama Ding Dong" ('61 song)
- 95 Nonpareil
- 96 Sartorial mishap
- 97 Actor Gulager
- 99 Nantes number

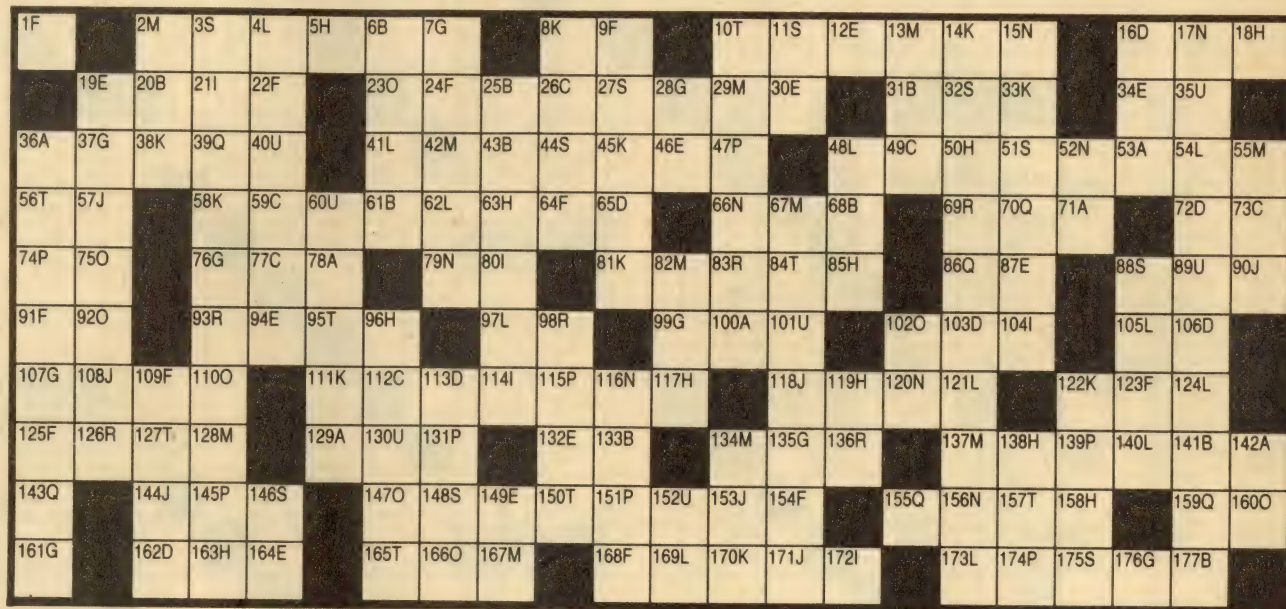
DOUBLE CROSS ★★

BY MICHAEL ASHLEY

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate

words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the author's name and the source of the quotation.

ANSWER, PAGE 58



- | | |
|--|---|
| <p>A. Ballerina's slipper
 <div>36 53 71 78 100 129 142</div></p> <p>B. Served as an umpire
 <div>31 177 133 25 43 20 61 141 6 68</div></p> <p>C. International distress call
 <div>26 49 59 73 77 112</div></p> <p>D. Armed naval vessel
 <div>16 103 113 65 162 72 106</div></p> <p>E. Dentistry
 <div>94 164 149 46 87 132 19 34 30 12</div></p> <p>F. "Get tough" political issue (3 wds.)
 <div>24 1 125 109 9 154 123 168 64
 <div>22 91</div></div></p> <p>G. At once
 <div>176 161 7 99 135 76 28 107 37</div></p> <p>H. Founded
 <div>5 18 96 163 50 138 63 158 119
 <div>85 117</div></div></p> <p>I. Aromatic wine of Hungary
 <div>172 80 21 114 104</div></p> <p>J. Irreligious person
 <div>171 153 144 118 108 90 57</div></p> <p>K. Astonishing (hyph.)
 <div>33 122 45 81 38 58 111 8 14 170</div></p> | <p>L. Wildly boisterous
 <div>4 41 62 48 105 54 140 121 169
 <div>97 124 173</div></div></p> <p>M. Mutually destructive
 <div>55 42 134 137 82 67 167 2 13
 <div>29 128</div></div></p> <p>N. Asia Minor citizen of Biblical times
 <div>15 17 52 66 79 116 120 156</div></p> <p>O. Opening in a ship's deck
 <div>160 75 110 23 166 102 147 92</div></p> <p>P. Ghetto apartment house
 <div>47 74 145 139 115 131 151 174</div></p> <p>Q. Follow closely, as a detective
 <div>39 70 86 143 155 159</div></p> <p>R. Sweet English confection
 <div>69 83 93 98 126 136</div></p> <p>S. Without question
 <div>175 148 146 88 32 44 3 27 11 51</div></p> <p>T. Teacher's pet
 <div>10 56 84 95 127 150 165 157</div></p> <p>U. Having intensity of spirit
 <div>35 40 60 89 101 130 152</div></p> |
|--|---|

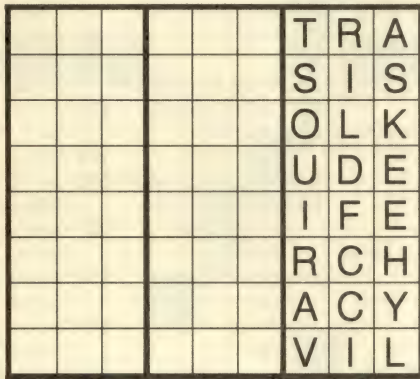
BUILDING BLOCKS ★

BY A. BRAINE

The last three letters in each line of this puzzle are already in place. To solve, insert the "blocks" above the grid into the remaining squares—without rearranging any letters—to complete eight nine-letter words reading across. Each of the blocks will be used exactly once, so you may cross them off as you proceed. When all the squares have been filled, two of the columns reading down will spell a pair of bonus words.

ANSWER, PAGE 58

AMP DAR EDE ENF GNO HES HOU LIT
MAT OCR ORC PRO RIA SEW THE WOM

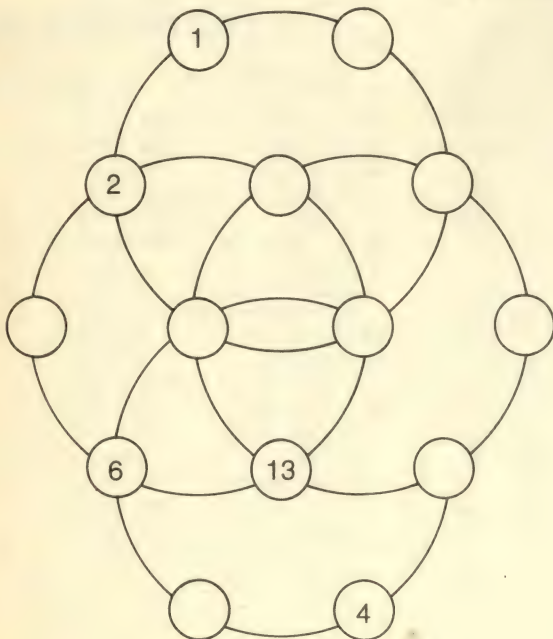


MAGIC RINGS ★★★

BY CAL Q. LEYTOR

Can you place the numbers from 1 to 14 into the spaces below so that the six numbers in each of the four large rings total 50? Each of the numbers should be used only once. Five numbers have been filled in to give you a head start.

ANSWER, PAGE 58



THE WORLD'S MOST ORNERY CROSSWORD

BY HENRY HOOK

Six Appeal

The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easy." First, fold this page back on the dashed line so the clues below face the solving grid on page 37. If you use only the Hard Clues (appearing below and continuing under the grid), you'll find the puzzle uncommonly challenging. If you want help, or prefer a less severe challenge, open to the Easy Clues (tucked in beneath your fold on page 36).

HARD CLUES ★★★

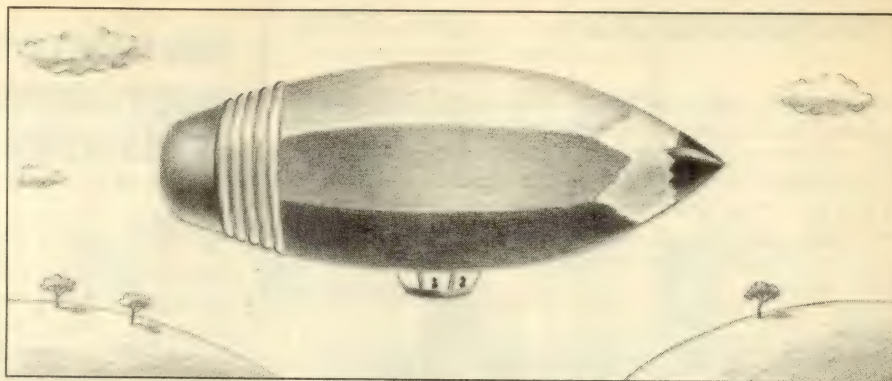
ACROSS

- | | | |
|---|---|---|
| 1 "Mending Wall" poet | 69 Antimacassar compound | 115 Should, slangily |
| 6 1979 Dionne Warwick hit | 70 Hydrogen compound | 116 Weird Al Yankovic hit |
| 12 Fundamental | 71 Behrman play ____ For Comedy | 117 Rams fans? |
| 18 Half of a car repair bill | 72 Shows a long suit, in bridge | 118 Nyasaland, today |
| 23 Place for musical notes? | 73 <i>Twelfth Night</i> heroine | 119 Empty talk |
| 24 Externally growing plant | 74 Not playing with a full deck | 120 Harold Robbins's ____ For Danny Fisher |
| 25 Alter the prescription | 75 Christ's condemner | 121 Coarse woolen cloth |
| 26 Lift a lid | 76 <i>The Sicilian</i> director | 123 Bozo has two |
| 27 <i>Dynasty's</i> Kate | 77 <i>Cheers</i> city | 125 Wastrel |
| 28 ____-ink sketch | 78 Sir Walter Scott's <i>The</i> ____ John | 127 Soothe |
| 29 Hautboy player | 80 "Over Edom will I cast out ____": Psalms | 129 Thief |
| 30 Summon | 82 Protection against shellshock? | 131 Blackthorn |
| 31 Rule | 84 Painter Hubert van ____ | 132 Moisture machine |
| 32 Odile's alter ego, in <i>Swan Lake</i> | 86 Mr. Public | 138 <i>Throw Momma From the Train</i> star |
| 33 Nice neighbor? | 88 <i>Rubaiyat's</i> rhyme scheme | 141 Turtle with a bite |
| 34 Copycat Congressman | 89 Indian trader | 146 World's busiest airport |
| 35 Collars | 95 Moundman George | 147 Leaves in the afternoon? |
| 37 Sawlike parts | 98 What to do "for auld lang syne" | 149 "____ brag!" |
| 39 Hat size? | 103 Somewhat | 151 Cherry or almond, e.g. |
| 41 Unsuccessful | 104 ____ Tin | 152 ____ left field (weirdly unconventional) |
| 43 Willow variety | 106 Joan of Arc's inspiration | 153 Nonpareil |
| 45 West African nation | 108 Windmill arm | 154 Main news article |
| 46 Pacer, perhaps? | 109 Word in many university names | 155 Truffaut film ____ et Jim |
| 52 Seeing red? | 110 ____ a lifetime | 156 <i>The Romance of Helen</i> ____ (old radio soap) |
| 55 17th-century Turkish sultan | 111 Signal, as on some game shows | 157 Fruit |
| 60 Landlubber's location | 112 Harts' mates | 158 Start of a music-hall tune |
| 61 Extra-thrust engine | 113 "My ____ in the ring!" | 159 Mini-chart |
| 63 <i>The Governor & J.J.</i> star | 114 Irritating | 160 George Kennedy TV oldie |
| 65 Resembling wings | | 161 Hard and impenetrable |
| 66 U.S. weather satellite program | | 162 Bee Gees' "____ Alive" |
| 67 <i>Illness as Metaphor</i> author | | 163 Porn commission head |
| 68 "Last Theorem" mathematician | | |

THE WORLD'S MOST ORNERY CROSSWORD (CONTINUED)

Don't Peek
Until You Read
Page 35!

EASY CLUES ★

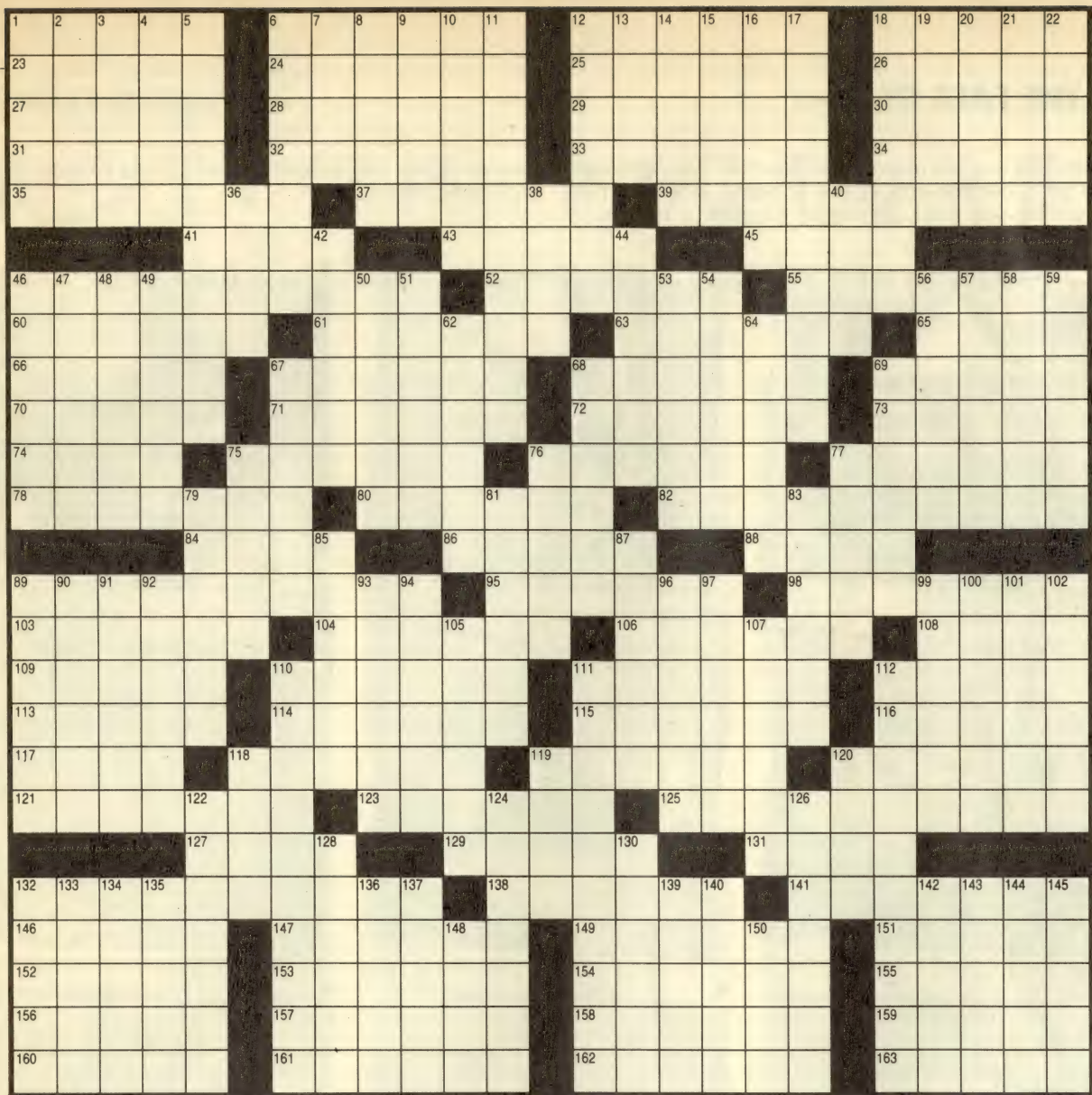


ACROSS

- 1 Ice a cake
6 Eerie familiarity: 2 wds.
12 Kind of scream
18 Roles in a play
23 Passenger ship
24 Plant that grows from outside (GEE, NO X anag.)
25 Give a new amount of medicine
26 Take off one's derby
27 Actress Kate, formerly of *Dynasty*
28 ____ pencil set: 2 wds.
29 Woodwind musician
30 Call forth
31 Rule a country
32 *Swan Lake* princess (TEE DOT anag.)
33 France's film festival city
34 Delaware Senator Joe
35 Slaps the cuffs on
37 Sawlike parts of animals (ERASER anag.)
39 40 quarts: 2 wds.
41 Conceited
43 Basketry willow (ROSIE anag.)
45 Take-out shop request: 2 wds.
46 Man whose wife is pregnant
52 Owing money: 2 wds.
55 Turkey's ____ Kemal (A FAT SUM anag.)
60 On land, to a sailor
61 Airplane engine type
63 Song-and-dance man Dan (IDEAL Y anag.)
65 Winglike (in LIBERAL ARTS)
66 Novices: Var.
- 67 Novelist Susan (GASTON anag.)
68 Mathematician Pierre (AFTER M anag.)
69 Small decorative mat
70 Ammonia compound (A DIME anag.)
71 ____ For *Sergeants*: 2 wds.
72 Offers more money at an auction
73 Cello's little cousin
74 In ____ parentis
75 Pontius ____
76 *Heaven's Gate* director Michael
77 Capital of Massachusetts
78 Keats poem "The ____ Agnes": 3 wds.
80 "One, two, buckle ____": 2 wds.
82 Containers for "Grade A" products: 2 wds.
84 Flemish painter Jan van ____
86 ____ Public (average person): 2 wds.
88 Rhyme scheme for *The Rubaiyat*
89 Southwestern trader of the 1800s
95 Baseball pitcher Doc
98 "We'll ____ o' kindness yet": 3 wds.
103 1973 movie ____ of *Class*: 2 wds.
104 Movie dog ____ Tin: 2 wds.
106 Tenor and alto, in a choir
108 Wind indicator
109 Washington or Georgia
110 "____ Love With Amy": 2 wds.
111 Herald, as the New Year: 2 wds.
- 112 Female red deer
113 "My ____ in the ring": 2 wds.
114 Full of stinging prickles
115 "There ____ be a law!"
116 Weird Al Yankovic's parody of Michael Jackson: 2 wds.
117 Female sheep
118 Neighbor of Mozambique (A WILMA anag.)
119 Giant balloon fill: 2 wds.
120 Just ____'s throw away: 2 wds.
121 Scottish woolen weave (A MAD LAW anag.)
123 Vowels pronounced like *eau*: 2 wds.
125 Wasteful spender
127 Temporary decline
129 Thief: Yiddish (FANG E anag.)
131 ____ gin fizz
132 Air-moisture device
138 *Taxi* star Danny
141 Food fish
146 Chicago airport
147 Tea variety
149 "____ brag!": 2 wds.
151 One-seeded fruit type (UP RED anag.)
152 *Down and ____ Beverly Hills*: 2 wds.
153 One-of-a-kind
154 "Take me to your ____"
155 Author Verne
156 River of England (in BUDGET RENTAL)
157 Outcome
158 "____ Boom-De-Ay"
159 Map within a map
160 Beetle Bailey's superior
161 Rock duo ____ Dan
- 162 Don't leave the house: 2 wds.
163 Attorney General Ed

DOWN

- 1 Fauna's partner
2 Versifier: Var.
3 Walk ____ (be very happy): 2 wds.
4 Durable suit fabric
5 Across
6 It's often a nickel per bottle
7 Crossed (out)
8 Actor James Earl ____
9 Playing marble
10 Abdomen: Prefix (REV NOT anag.)
11 Surrounded, as a fortress: 2 wds.
12 Go forward
13 C & W singer McEntire
14 "Frankly, my dear, ____ give a damn!": 2 wds.
15 Monk: Fr. (I'M ONE anag.)
16 Agreement
17 Shea Stadium cheer: 3 wds.
18 Adobe villages
19 Blacksmith's block
20 Rose: Prefix (DOOR H anag.)
21 "Is this seat ____?"
22 British guns (NESTS anag.)
36 Weight allowance (RATE anag.)
38 ____ *Misbehavin'*
40 "When you see ____ reach ____" (Loesser lyric): 2 wds.
42 "There's ____ like an old ____": 2 wds.
44 Cash in, as trading stamps
46 *Femme* ____ (siren)
- 47 Science fiction author Isaac
48 Once more than twice
49 Jinx
50 Miniature chicken
51 Existing thing
53 Ken's doll sweetheart
54 Using a stopwatch
56 Follower of Lao-tzu (IT'S OAT anag.)
57 One-time San Francisco mayor Joseph (OIL OAT anag.)
58 ____ hard times (be unfortunate): 2 wds.
59 Hitler's "master race"
62 '20s NYC mayor Walker: 2 wds.
64 Russian lake (OLD AGA anag.)
67 Tattletale
68 Chum
69 Czech composer Antonin
75 Freud's field, for short
76 Humorist Myron (ENOCH anag.)
77 Rum cakes
79 Field separators
81 Grits material
83 Connected series (TEA CAN anag.)
85 Bit of popcorn
87 Musk-ox's underwool (VI QUIT anag.)
89 Popular nut
90 Capital of Canada
91 Surrounded with a water-filled trench
92 Withdrawal from reality (A.M. SUIT anag.)
93 Of a bird's mouth (LIT CAR anag.)
94 Left jab-right cross combo
- 96 Single-file dances
97 Mensa requisite: 2 wds.
99 Fly a plane
100 Synagogue official
101 Water nymph (IN NUDE anag.)
102 Annoy
105 Laying a bathroom floor
107 Orange or lemon, e.g.
110 Crawling, maybe: 3 wds.
111 Teddy and Franklin D.
112 Dr. McCoy's frequent line: 3 wds.
118 Hawaiian island
119 Sharpen
120 Unknown author: Abbr.
122 Cooked just right, pasta-wise: 2 wds.
124 Like small mechanical devices
126 Runner-up
128 Young jungle cat
130 ____ will (shoot as one pleases): 2 wds.
132 Owl-like calls
133 Nichelle Nichols, on *Star Trek*
134 Alma ____
135 Arousing anger
136 Beethoven's *Für* ____ (LEE IS anag.)
137 Game akin to croquet (in HERO QUEST)
139 Jeweled headpiece
140 Johnson or Pardo: Pig Latin
142 Sun-dried plum
143 Heartbeat
144 Fencing swords
145 Remainder: Fr. (STEER anag.)
148 ____ and void
150 Comedienne Jewell



ANSWER, PAGE 59

HARD CLUES (CONT'D)

DOWN

- | | | | | | |
|-------------------------------------|---|---|-------------------------------------|---|---|
| 1 Plants | 15 Brest brother | 51 Being | 76 Broadway producer Alexander | 99 Fly | 132 Words from the wise? |
| 2 Poetaster | 16 Okay | 53 Skipper and P.J.'s friend | 77 Wawa and Looley | 100 "Ida, Sweet as Apple Cider" singer | 133 <i>Enterprise</i> Communications Officer |
| 3 Sign in a radio station | 17 Hurray, at Shea | 54 Joketeller's sine qua non | 79 They get it while it's hot | 101 Water nymph | 134 Mum |
| 4 Conductor Koussevitzky | 18 New Mexico Indians | 56 Follower of the Way | 81 Corn concoction | 102 Harass | 135 Making one's blood boil |
| 5 Type of engine mounting | 19 <i>Il Trovatore</i> prop | 57 Former San Francisco mayor Joseph | 83 Linked series | 105 Den : paneling :: bathroom : ____ | 136 Beethoven's dedicatee |
| 6 Money in the bank | 20 Rose: Prefix | 58 Emma's <i>Dynasty</i> role | 85 Nut | 107 Orange, e.g. | 137 Game played with mallets |
| 7 Deleted, in a way | 21 Occupied | 59 Nordic folk | 87 Musk-ox wool | 110 Creeping | 139 Diadem for Di |
| 8 <i>Bonhomme</i> Richard commander | 22 Tommies' guns | 62 Heavyweight champ Braddock, Corbett, or Jeffries | 89 Tropical nut tree | 111 Alice and Eleanor | 140 Odfather-gay? |
| 9 5.5-point type | 26 Scale allowance | 64 Europe's largest lake | 90 River between Ontario and Québec | 112 Line from almost any <i>Star Trek</i> episode | 142 Eliminate the extraneous |
| 10 Belly, in combinations | 32 Cole Porter ditty "It ____ | 67 Pilfer | 91 Inaccessible but by drawbridge | 118 Site of Haleakala National Park | 143 Rhythm |
| 11 Attacked from all sides | 36 "What ____!" (words of acclaim or sarcasm) | 68 Quaker | 92 Absorption in dreams | 119 Whet | 144 Duels' tools |
| 12 Continue | 40 "Wise man?" | 69 <i>New World Symphony</i> composer | 93 Of the open mouth | 120 Prolific author? | 145 "J'y suis, j'y ____" (Here I am, here I remain) |
| 13 Biblical king | 42 Expiate | 75 ____ up (prepare emotionally) | 94 Calisthenics chant | 122 Like perfect linguini | 148 0 |
| 14 Wrong wedding response? | 46 <i>Femme</i> ____ | | 96 Snake dances | 124 Complicatedly mechanical | 150 Comic-actress Jewell |
| | 47 <i>I, Robot</i> author | | 97 160, maybe | 126 Loser | |
| | 48 In triplicate | | | 128 Cub | |
| | 49 Spell | | | 130 Aim for | |
| | 50 Noted paperback imprint | | | | |

ON THE FACE OF IT ★★

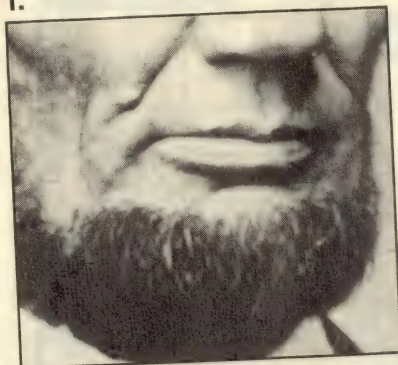
BY HARRY VAN DYKE

It's been said you can recognize a man from 200 yards away if he's got a distinctive mustache or beard. Who said that? Why, we did—just after assembling this pack of famous un-

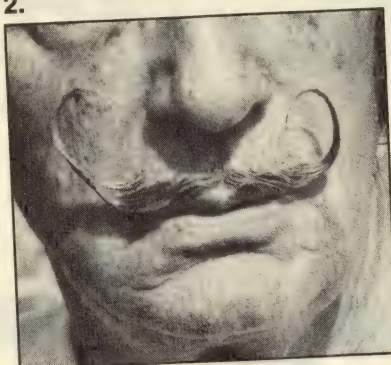
shaven faces. Can you identify all 12 just from the hair on their chinny-chin-chins?

ANSWERS, PAGE 58

1.



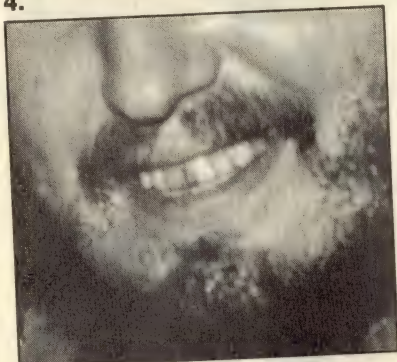
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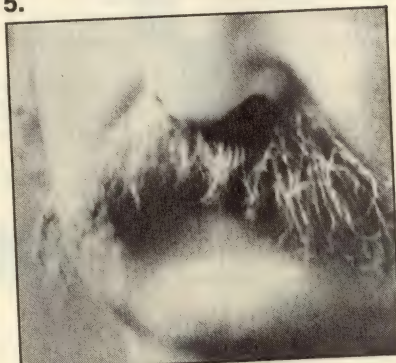
3.



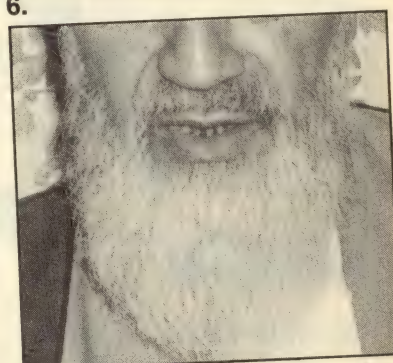
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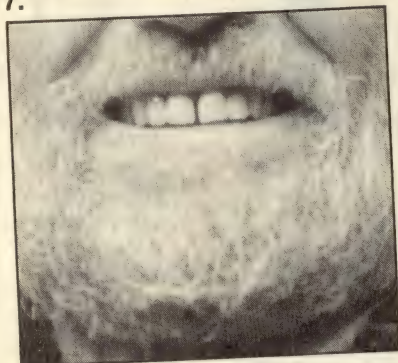
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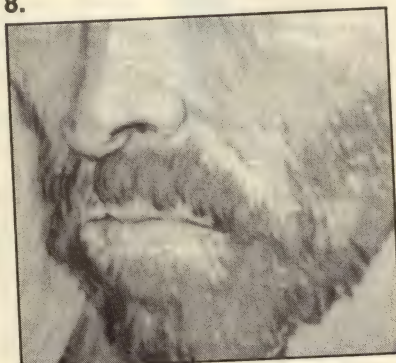
6.



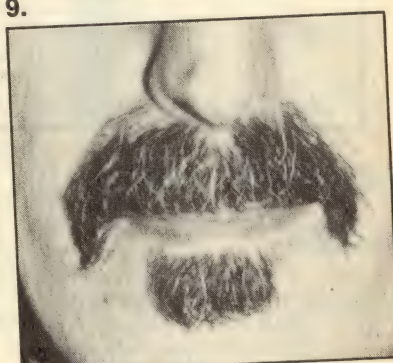
7.



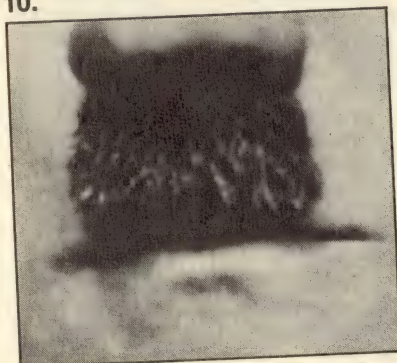
8.



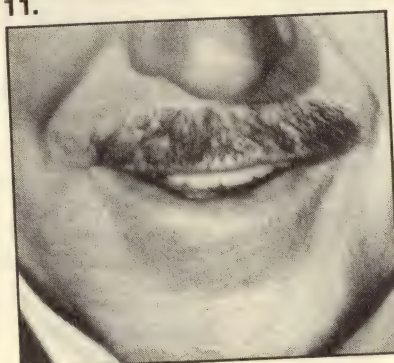
9.



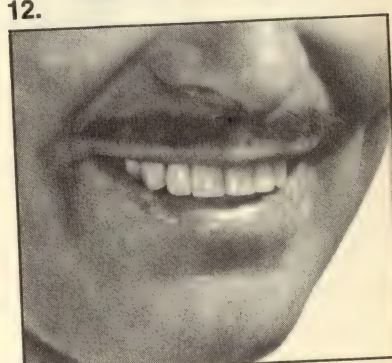
10.



11.



12.



MOTION PICTURES

Can you identify these Eyeball Benders in motion?

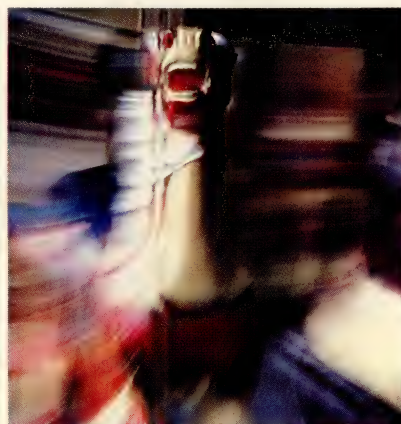
ANSWERS, PAGE 56



1



2



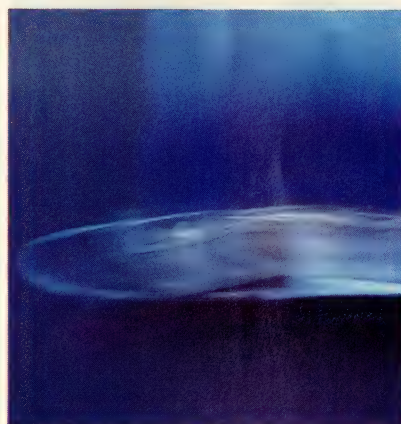
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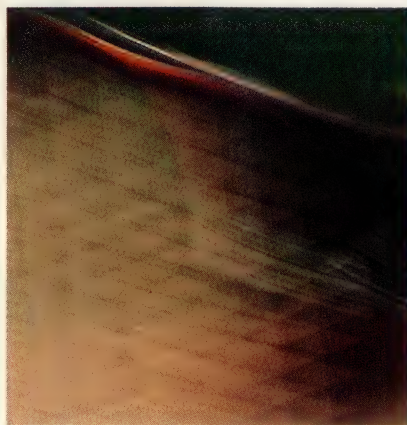
5



6

CLUES

- 1 On the rebound
- 2 Movie mate
- 3 Horsing around
- 4 For spokespersons?
- 5 Has its ups and downs
- 6 On a roll
- 7 Many happy returns
- 8 Holds sway



7



8

STILL LIFE

A BACK-TO-FRONT PICTURE PUZZLE

★★

Photographed by Keith Glasgow

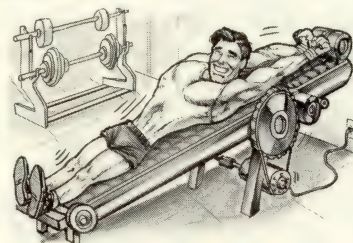
The photographer at right is just about to shoot the still life arranged on the table in front of him. By observation and some mental flipping, can you figure out which of these nine pictures will be the result?

ANSWER, PAGE 54



IT HURTS SO GOOD

End the torture of back problems today. The Rack™ is a breathtaking advance in home exercise equipment. Designed specifically to work the arms, legs, and upper and lower back muscles, the Rack will save you a fortune in chiropractor's bills.



How It Works

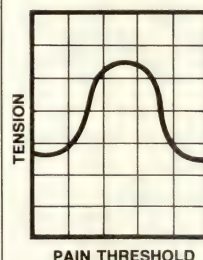
The Rack is based on the secrets of medieval design (endorsed even in that era by prominent jurists and religious leaders). Updated by modern engineering, the Rack gets the kinks out like no other machine—and it takes up less room than most home gym stations!

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For a free brochure about our products, write to:
Torquemada Enterprises,
 23-01 Dolor St.
 Venice, CA 00340



BUSHKA

A Strategy Game for Two Players

Bushka grew, in part, from its inventor's dissatisfaction with the game of international checkers. Although international checkers is much more complex than the Anglo-American checkers game that is familiar to most Americans, it produces mostly draws at the highest levels of competition. Bushka has some similarities to international checkers, but adds key elements inspired by other games: capture "by approach," from fanorona, the national game of Madagascar (see September/October 1980 GAMES); and "phalanx" movement, from Bob Abbott's game Epaminondas (reviewed in July/August 1978 GAMES).*

Equipment

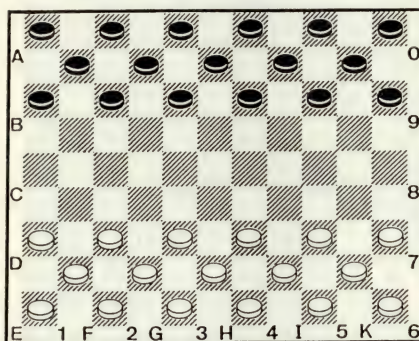
An 11x9 checkered board (which players will need to draw or improvise), 17 white checkers, and 17 black checkers.

Setup

Each player arranges his or her checkers.....

*International checkers is played on a 10x10 board, with 20 men per side. Movement is always along the diagonals, as in most forms of checkers. When not capturing, a man advances one space at a time; but a man may capture either forward or backward. Kings move any distance along a diagonal, like a bishop in chess; and they may jump a single piece lying any distance away, and land any distance beyond it. (A king may not, however, jump two or more adjacent men simultaneously.) Multiple jumps by either men or kings are possible, in any direction or combination of directions. Capture is compulsory, and a player must always capture the maximum number of pieces possible in a turn, as determined without regard to whether they are men or kings. A man may not promote to a king in the middle of a turn: If a man jumps onto and off the back rank in a single turn, it does not promote to a king; while if it jumps onto the back rank and has no further jumps as a man, it becomes a king and ends its turn, even if it can make a king-capture from that square.

ers on the dark squares of the first three rows, as shown.



Object

A player wins by capturing or blocking all opposing pieces. (A player who cannot move when it is his or her turn loses.)

Play

1. All play is on the dark squares. In these rules, a "line" means any diagonal line of dark squares.
2. White moves first, and play then alternates between the two players. Moving is compulsory.
3. In turn, each player moves either one "piece" or one "phalanx."

Piece Movement

4. A "piece" means either a "man" (a single checker) or a "king" (a promoted man, represented by two checkers stacked together).
5. A man moves one square forward along a line, to a vacant square.
6. A man that reaches one of the six squares of the opponent's first row is promoted to a king.
7. A king moves any distance forward or backward along an open (unoccupied) line, ending on a vacant square.

Phalanx Movement

8. A "phalanx" is a unbroken row of two or more like-colored men (a phalanx never contains a king) lying in a line. A phalanx moves as a unit, one space forward along its line, provided

the square in front of it is vacant.

Note: In actual play, all the men in a phalanx are not moved. Instead, the rearmost piece is picked up and placed on the square in front of the phalanx.

9. A phalanx may be broken up, either by moving just the frontmost man or by moving just some of the front men and leaving behind one or more men in the phalanx's tail.

Capture

10. A player who can make a capture must do so.

11. All capture is "by approach." When a piece or phalanx moves next to an opposing piece in its line of movement, the opposing piece is captured.



White moves to the square marked X, capturing one man.

Additional pieces may also be captured in the same turn, as explained under rules 14 and 20 below.

Phalanx-Capture

12. A phalanx may move either forward or backward to make a capture.

13. A player who can make a capture by moving a phalanx must do so, even if the player was in a position to have made a capture by moving a piece instead. This is known as "phalanx-capture."

14. When a phalanx makes a capture, it captures not only the piece that is approached but also any enemy pieces that lie beyond in an unbroken row in the same line of movement. That is, if a phalanx moves next to an opposing phalanx that lies in the same line, the entire opposing phalanx—no matter how long it is—is captured.

15. A player who can make more than one phalanx-capture must choose the one that captures the greatest number of pieces. If the numbers are equal, the player chooses which capture to make.

16. After making a phalanx-capture, a player ends his or her turn.

Piece-Capture

17. A player who cannot make a phalanx-capture must, if able, make a capture by moving a piece. This is known as "piece-capture."

18. A piece may move forward or backward to make a capture.

19. A piece that approaches an opposing phalanx captures only the single opposing man that it moves next to. A

piece cannot capture a phalanx.

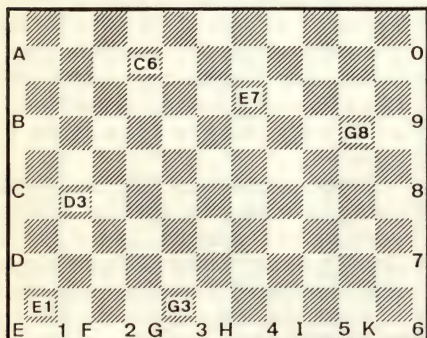
20. A piece may make more than one capture in a turn. It does this by making repeated moves that approach enemy pieces. Each such move must be made in a direction that is different from the direction moved to make the previous capture. Captured pieces are left in place until all captures have been made, then are removed together. During a capture the capturing piece may visit the same square more than once, but it may not capture the same piece more than once.

21. Kings make captures in the same way as men, except that kings may move any number of squares along an open line. A king captures an opposing piece that lies in its line of movement by moving next to it. After making a capture, a king may continue to make additional captures in the same turn, provided the king changes directions after each capture.

22. In making a piece capture, the player must always choose *the piece* (regardless of whether it is a man or a king) *and the route* that will result in the greatest number of captures possible. Capture of a man and capture of a king count equally as capture of one piece. If a player has more than one way to capture the maximum number of pieces, the player chooses which way to use.

Notation

Squares are labeled according to the coordinate system shown, in which letters are used for lower-left-to-upper-right diagonals and numbers are used for upper-left-to-lower-right diagonals.



A noncapturing move is written by giving either one letter and two numbers or two letters and one number. In either case, the single letter or number represents the line of movement, while the pair of numbers or letters represent the other starting and ending coordinates. For example, “f45” means a piece move from f4 to f5, while “g5f” means a piece moving from g5 to f5. A

phalanx move is shown the same way, but is treated as if only the rearmost moving piece were jumping to the newly occupied square; for example, two possible phalanx moves that White can make in the starting position are f25 (which really means f4 to f5, f3 to f4, and f2 to f3) and f35 (which means just f4 to f5 and f3 to f4).

Capturing moves are treated similarly, but use an "x." With a phalanx-capture, the x is placed inside the move, e.g., "hxe5" or "g3x5"; with a piece-capture, the x always goes after the move, e.g., e8h6x (here the piece has made more than one capture and changed lines), ef8x, or e8x (here the piece has made at least two captures and has ended on the square where it began its move).

A Sample Opening

In Bushka, development is much more rapid than in any form of checkers, since each phalanx move advances two or more men at once. Openings are marked by an explosion of exchanges, since there are many opportunities for combinations that lead to multiple captures. Yet throughout, players must be mindful that, as in checkers, the loss of even a single man will often prove fatal.

Here's a sample of opening play.

White	Black
1. f25	ea8

After White's first move, Black cannot safely play to d5, e6, or f7. For example, after the symmetrical 1.f25, e96 there could follow 2.f56, f0x7 (Black phalanx-capture of the piece on f6, as required by the rules) 3.f45, f9x6 4.kxg6, White capturing five men on the 6 line.

Other interesting first moves for White include 1.f45 and 1.e14 (and their equivalent mirror images, of course). But the game is so new that only a small fraction of possible opening variations has been explored, and no one knows what first move is really best.

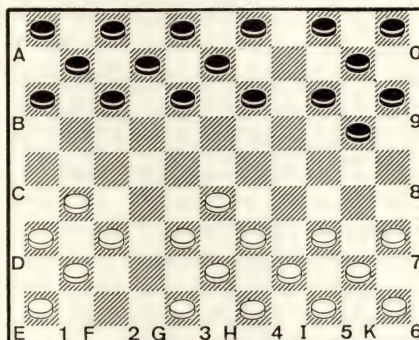
After 1.f25, eg8, Black now threatens g87 followed by f87 and bxe6. If White tries to prevent this by playing 2.f43, the position in Problem A comes about. Therefore, White does better to play as follows:

2. g56	g9x7
3. ih7x	e76
4. e24	e65x
5. e34x	bc4
6. hxd4	d8x5
7. fe5x	axd5

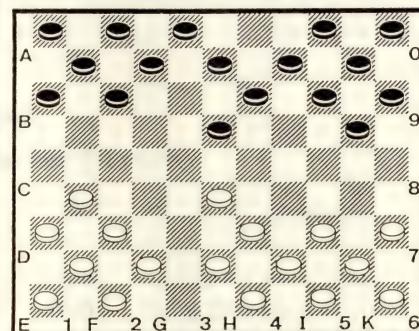
The position is equal.

PROBLEMS ★☆

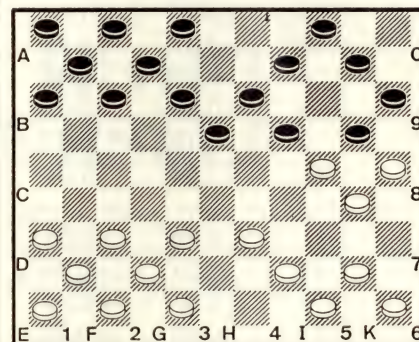
A Black to play and win a man



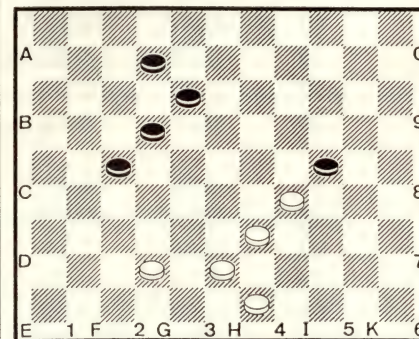
B White to play and win a man



C Black to play and win two men



D White to play and win



ANSWERS, PAGE 58

Dutch game inventor Christiaan Freeling's many other games include Chad, Emergo, The Glass Bead Game, Grand Chess, Havannah, and Medusa.

THE SUPER IQ TEST REPORT, PART II

BY KEVIN LANGDON

My IQ test, the Polymath Intellectual Ability Scale, was published in the August-September 1987 issue of GAMES. (Answers and explanations appeared in the January 1988 issue.) Readers could send their answers for scoring, and I also sent it to members of several high-IQ societies, specifically those societies whose members must be in the top one-thousandth of the population. This allowed me to compare their

scores on this test with their previous scores on other tests. 1,294 GAMES readers and 170 members of high-IQ societies sent in answer sheets to be scored. I've based the statistics in this report on the total sample of 1,464 testtakers.

Before I tell you how to score your results yourself, let me explain how these tables were created. And when you figure out your score, remember that test scores on this or any other IQ test cannot

be taken as a full measure of the competence or worth of a person. Only a small part of what we mean by "intelligence" can be measured by a paper-and-pencil test. This particular test was designed to measure *attention in reasoning*, the ability to discern complex patterns in data and to draw correct inferences from them. Even within these limits, a perfectly accurate test is a statistical impossibility.

Table 1

Score for each answer to each item

Item	A	B	C	D	E
1	-1.01	4.03	-1.01	-1.01	-1.01
2	3.80	-0.95	-0.95	-0.95	-0.95
3	-0.61	-0.61	-0.61	2.43	-0.61
4	-0.52	2.08	-0.52	-0.52	-0.52
5	4.45	-1.11	-1.11	-1.11	-1.11
6	-0.67	2.68	2.68	-0.67	-0.67
7	-0.97	-0.97	3.90	-0.97	-0.97
8	-0.60	-0.60	-0.60	2.39	-0.60
9	-1.13	4.52	-1.13	-1.13	-1.13
10	-1.40	-1.40	5.58	-1.40	-1.40
11	2.26	-0.57	-0.57	-0.57	-0.57
12	-0.51	-0.51	-0.51	-0.51	2.03
13	6.97	-1.74	-1.74	-1.74	-1.74
14	-0.50	-0.50	-0.50	2.00	-0.50
15	-1.36	-1.36	-1.36	-1.36	5.45
16	1.98	-0.49	-0.49	-0.49	-0.49
17	-0.61	-0.61	-0.61	-0.61	2.43
18	-0.68	-0.68	-0.68	2.74	-0.68
19	0.00	0.00	0.00	0.00	0.00
20	-0.88	3.53	-0.88	-0.88	3.53
21	-0.58	-0.58	-0.58	-0.58	2.34
22	-0.77	-0.77	-0.77	3.08	-0.77
23	-0.68	2.72	-0.68	-0.68	-0.68
24	2.11	-0.53	-0.53	-0.53	-0.53
25	-2.03	-2.03	8.13	-2.03	-2.03
26	6.00	-1.50	-1.50	-1.50	-1.50
27	-1.15	-1.15	-1.15	4.58	-1.15
28	-0.68	-0.68	-0.68	-0.68	2.71
29	-0.77	3.08	-0.77	-0.77	-0.77
30	0.00	0.00	0.00	0.00	0.00

SCORING

Now to the scoring. The items on the test are not equally difficult. Some were answered correctly more often than others. The first step in "norming" the test—that is, making the results gibe with other IQ tests—is to count the number of right answers for each item. The fewer who got an item right, the more it was worth.

Using the new values for the items, I added up testtakers' scores, each score being a number from zero to 100. (Actually, none of the testtakers achieved the perfect score of 100; the highest was 96.)

This allowed me to put the test results in order from highest to lowest, but didn't indicate an IQ value for any particular result. To determine this, I statistically compared the scores from this test with previous IQ test scores of the testtakers from high-IQ societies.

To compute your IQ, find your score for each item in table 1. Right answers have positive scores; wrong answers score negative. (For example, if you answered A to item 1, you score -1.01 for that item; if you chose B, the correct answer, you score 4.03.) Unanswered questions score 0. Add up all the scores and round to the nearest whole number to get a "scaled score" between zero and 100. Find your scaled score in table 2, and read across to the last column to find your IQ. Other columns show your percentile rankings as compared with the other testtakers and with the general population. For example, if you are in the 72nd percentile of the general pop-

ulation, you scored better than 72 percent of the general population would probably do.

You can get a more detailed statistical report for \$2 from Polymath Systems, P.O. Box 795, Berkeley, CA 94701. Don't order the report if you sent in an answer sheet for scoring; the report was sent to you with the scoring. You can also get a summary of the correct answers and reasoning for the items for \$1. Two other high-IQ tests—the Langdon Adult Intelligence Test and the Four Sigma

Qualifying Test—are \$8 each. The LAIT is also available on a 5¼" diskette for IBM computers for \$20; the scoring fee is included in the price. Add \$2 for shipping and handling per order.

Notes on the tables: Two items were not scored because of errors in a drawing (number 19) or in the phrasing of the item (number 30); for two others (numbers 6 and 20) alternate answers were accepted.

There is no penalty for items not answered, but giving more than one an-

swer for any item counts as a wrong answer even if the item has more than one right answer.

Items were weighted in proportion to the reciprocal of the number of testtakers who selected the right answer (or either right answer where more than one answer was accepted). To make calculation easier, this table is slightly simplified from the one used to figure score reports. Scores figured with this table will occasionally differ by one point from those given in score reports.

Table 2
IQ corresponding to each scaled score

Scaled score	Tested Pop. %ile	Gen. Pop. %ile	IQ
00	0	73	110
01	0	75	111
02	0	77	112
03	0	77	112
04	1	79	113
05	1	80	114
06	1	80	114
07	2	82	115
08	2	84	116
09	3	85	117
10	3	85	117
11	4	86	118
12	4	88	119
13	5	88	119
14	6	89	120
15	7	90	121
16	8	91	122
17	9	91	122
18	10	92	123
19	11	93	124
20	12	93	124
21	13	94	125
22	14	94	126
23	15	95	127
24	16	95	127
25	18	95	128
26	19	96	129
27	21	96	130
28	22	96	130
29	24	97	131
30	26	97	132
31	27	97	132
32	28	98	133
33	29	98	134
34	31	98	135
35	33	98	135
36	34	98	136
37	36	98	137
38	37	98	137
39	39	99	138

40	40	99	139	55	69	99.9	150
41	41	99	140	56	71	99.9	150
42	43	99	140	57	73	99.9	151
43	46	99	141	58	75	99.9	152
44	48	99.5	142	59	76	99.9	152
45	49	99.5	142	60	78	99.95	153
46	51	99.6	143	61	79	99.96	154
47	53	99.7	144	62	81	99.97	155
48	55	99.7	145	63	82	99.97	155
49	58	99.7	145	64	83	99.97	156
50	59	99.8	146	65	85	99.98	157
51	61	99.8	147	66	86	99.98	157
52	63	99.8	147	67	87	99.98	158
53	65	99.8	148	68	88	99.98	159
54	67	99.8	149	69	89	99.99	160

(CONTINUED ON PAGE 59)

FIGURE IT OUT FOR YOURSELF

If you can figure out this puzzle, you may be able to qualify to join MENSA, the society for people whose intelligence is at or above the 98th percentile on a standard "IQ" test.

If 6 puzzlers can solve 12 puzzles in 12 minutes, how long will it take 1 puzzler to solve 60 puzzles at the same rate?

Send to: MENSA, Dept. GM58
2626 East 14th Street, Brooklyn, NY 11235

- ☐ Send brochure, telling how I may have already qualified.
- ☐ I'll take the at-home test. Enclosed is \$9.00 (check or money order in U.S. funds only, please).

Name _____
Address _____
City/State/Zip _____

Answer: 360 minutes, or 6 hours

THE THREE STOOGES MEET HULK HOGAN IN LAS VEGAS

Software publishers woo new markets with pop culture programs

Tens of thousands gathered in Las Vegas recently to gamble—not on bars and cherries, but on which new computer programs would become 1988's big sellers.

Over 100 publishers of computer programs displayed their software at the winter Consumer Electronics Show, held in January. Each one hoped that its new products would be the ones to capture the interest of the swarms of software buyers and reporters who buzzed up and down the lines of booths. As usual, there were plenty of new computer games to sample.

A few companies continue to cater mainly to hardcore computerists. But the big trend this year is to make computer programs attractive to the user-in-the-street, who may know very little—and care even less—about the fine points of a computer program. One result of this trend is that many new programs have unusually short instruction manuals; some even have no manual at all.

Another development is that many new programs have pop culture themes, often adapting characters and stories that have been successful in other media.

Two programs by CinemaWare illustrate both of these aspects. **Rocket Ranger** is a lavish tribute to the Nazi-fighting heroes of the movie serials of the 1930s and 40s. In it, you become a spy smasher in a pilot's suit.

Three Stooges, not surprisingly, has a sillier flavor: Its opening is a ponderous parody of the computer game Defender of the Crown, hilariously disrupted by Larry, Moe, and Curly, who then present the real start of this zany electronic board game. Both Rocket Ranger and Three Stooges teach you how to play as you go. CinemaWare's animated artwork, as always, is the best around.

Infocom's new text adventure, **Sher-**

lock: The Riddle of the Crown Jewels, makes up for its lack of graphics with plenty of atmosphere. Playing the part of Dr. Watson, you and the great detective search London, from Westminster Abbey to the Chamber of Horrors at Madame Tussaud's Wax Museum to an opium den near London Bridge, in an effort to thwart—well, whom do you think?

The big surprise from Infocom, though, is **Infocomics**, a line of interactive electronic comic books. Each disk has a three-to-five-hour comic book story told with fades, zooms, and other cinematic devices. You can stop the action or go backward when you like. Unlike Infocom's text adventures, there are no puzzles to solve, and you can't alter the story's outcome, but you can decide which of the many characters to follow,



Rocket Ranger



Three Stooges



Infocomics

and even change in mid-scene, as the plot unfolds.

First Row's **Prime Time** is a pop culture lover's dream: the chance to run a TV network. Directing one of two rival networks, you develop concepts, bid for new shows, set the schedule, and monitor the ratings in the industry newspaper.

Hulk Hogan is the star of MLSA's **MicroLeague WWF Wrestling**, in which players secretly select their moves and then watch as the computer shows the results. The matches you see are not animated, but are clips from real bouts, processed digitally and displayed on the computer screen. New disks coming soon provide such pairs as Randy Savage vs. the Honkytonk Man, and Hacksaw Jim Duggan vs. King Harley Race.



Red Storm Rising



The Games-Winter Edition

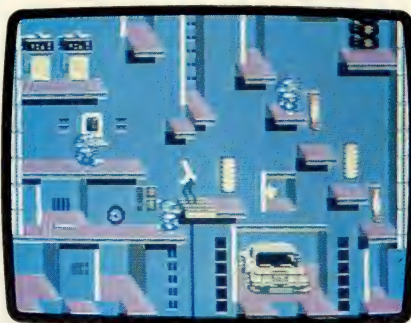


Pool of Radiance

Two submarine simulations have been inspired by Tom Clancy best-sellers: MicroProse's **Red Storm Rising** and DataSoft's **The Hunt for Red October**. The former has lots of undersea combat; the latter stresses maneuverability as you try to evade enemy subs.

Epyx's breathtaking **The Games—Winter Edition** lets you take part in winter Olympic events like speed skating, luge, and cross country skiing. One to eight players can compete in this beautifully illustrated game.

Strategic Simulations has brought out the first computer roleplaying game approved by the makers of **Dungeons & Dragons**, **Advanced Dungeons & Dragons, Volume 1: Pool of Radiance**. (In fact, the same scenario is being released simultaneously with a new module for the standard game.) More



Impossible Mission II

programs in this series are planned, as well as a program to help D&D players generate random encounters and monsters.

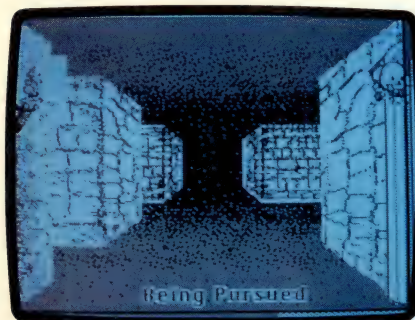
Roleplaying games are as popular as ever, and if a software company doesn't have a license on an existing game, it just creates its own. Computer roleplaying games like **Wizardry**, **Bard's Tale**, and **Might & Magic** are now joined by Mindscape's **Citadel**, a medieval fantasy of the sort that's fairly standard by now. You assemble a mixed party of characters, each with different abilities, and then guide them through many

rounds of fighting and exploring. The view ahead of you is illustrated as you go.

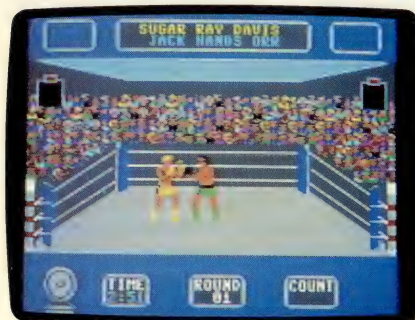
Gamestar has improved their 1986 boxing simulation in **Star Rank Boxing II**. What was good is now great: The animation is more fluid, and the sound effects are chillingly authentic. The squeamish may cringe when leather meets flesh.

Electronic Arts' **The Sport of War**, by designer Dan Bunten, is a battle game that lets you command each soldier individually. Two can play it over the telephone if they have modems.

Several hits of previous years have inspired sequels. Epyx's **Impossible Mission II** again pits you against master villain Elvin, who has a brand new plan to rule the world. Climbing and shooting action dominate this game. Strategic Simulation's **Questron II** spins a new tale of adventure in an eerie world of beasts and booty. Electronic Arts' **Skyfox II** sends your pilot into deep space to do battle while flying a one-man spaceship. And Cosmi's **Super Huey II** adds improved graphics and other enhancements in a new version of its helicopter simulation.



Citadel



Star Rank Boxing II



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GAMES & BOOKS

EDITED BY SCOTT MARLEY

THE WALL STREET GAME

\$32 ppd.; American Games, 4902 South Collins, Arlington, TX 76108

Unlike many recent stock market games, The Wall Street Game doesn't try to be realistic. There are no thick pads of bookkeeping forms, no computations to do on a calculator. Unlike many recent stock market games, The Wall Street Game is fun to play.

Two to four investors race to make a million dollars by buying and selling stocks in 10 fictitious companies like Universal Foods and Petro Industries (well, *nine* fictitious companies—the highest-priced stock is in American Games).

On the board's outer track, you get "broker cards" or earn cash by landing on the right spaces. Along the inner paths are brokers like Dean Witter and Merrill Lynch, none of which are—as of this morning's paper—fictitious. Each broker sells one of the 10 stocks. With a broker card you can try to enter that broker's office to buy—or later, sell—a block of stock.

Stock prices rise and fall

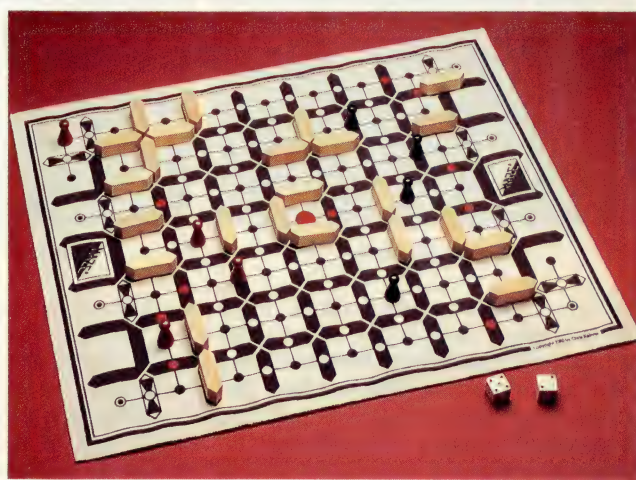
according to the "market level," a number that fluctuates between 1 and 12. The market goes up each time a player buys stock, and down at every sale. A simple slide-rule-like device keeps track of prices.

Players also move the market up or down by landing on or passing various spaces. Manipulating the market level is often a key point of strategy—especially at times when half the players have stock and are trying to sell high, while the other half want to buy low. Fortunes can depend on which side gets its way.

Stocks pay dividends from time to time, governed by cards in a "dividend deck." You won't make your million from dividends alone, but they keep the cash flowing when the market is stagnant.

The fun is in the many choices you're faced with all through the game: which path to follow, how to influence the market level, whom to swipe a broker card from. The chance element and the brisk pace—you can finish a game in an hour or less—make The Wall Street Game a light game that adults and older children can both enjoy.

—Sid Sackson



MAZE

\$11.95 ppd.; deluxe set (not shown): \$29.95 ppd.; Chris Kalivas, P.O. Box 161, Patchogue, NY 11772

Even though dice determine the moves, this attractive race game for two players gives plenty of opportunity for strategy.

You move your four pawns along the network of paths, your die roll determining how many dots one of your pawns can move over. You may change direction within a move, but backtracking isn't allowed.

The large red dot in the center of the board is the exit. You win by getting all four of your pawns to the center before your opponent.

Half the dots—every other one—are "wall spaces" where a wall may be placed. When the game begins, walls surround the center dot and the pawns' starting spaces. You can't move a pawn over a wall, but if you can move your pawn *onto* a wall by an exact die roll, you can move the wall to any vacant wall space on the board.

If you land on an enemy pawn, you send that pawn to the enemy "jail corner."

An effective strategy is to place plenty of walls around the enemy's jail corner, and then land on as many enemy pawns as you can.

It's good to keep your pawns together, and to use walls to separate your opponent's pawns. Try to position your pawns so that many numbers on the die could be useful: If your pawns are different distances from their targets (whether walls, enemy pawns, or the exit dot), you'll have a better chance of hitting something on your next turn.

In my own playing, I've found that a doubling cube makes an interesting addition to the game. As in backgammon, either player can offer a double; if the opponent accepts, the game is played at double stakes; otherwise the opponent immediately forfeits the game at single stakes. Any number of doubles can be made, the right to double alternating between the players.

The basic set shown has a sturdy cloth board and wooden pawns and walls, and comes packaged in a tube. A deluxe set is also available with a wooden board and box.

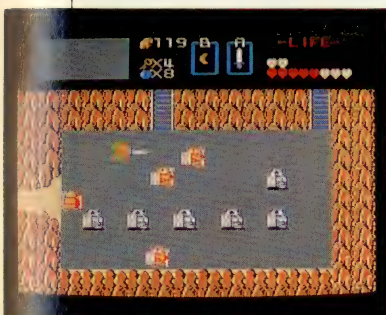
—Sid Sackson



GREAT ADVENTURES FOR NINTENDO

New games for the Nintendo Entertainment System have reached levels of sophistication and challenge I thought impossible in a video game. If you loved the original Nintendo games two years ago, wait till you see these beauties.

In **The Legend of Zelda** (Nintendo, \$45), your goal is to find fragments of a mystic triangle hidden in eight labyrinths. A hint pamphlet shows you where four of the labyrinths are, but getting to them requires practice, patience, and skill. (One is even in the middle of a lake.)



The Legend of Zelda

And once inside, don't think you can simply pick up the fragment and go home. You'll have to fight for your life every step of the way, not only inside the labyrinths but under them as well—if you can find the secret tunnels.

But victory is sweet: Defeated enemies leave behind weapons, hearts (which lengthen your life), keys, and jewels (with which you can buy other useful items). You will eventually find maps and compasses in the labyrinths, but until you do, you should make your own maps to avoid getting lost.

Metroid (Nintendo, \$40), a gorgeous game, is a maze of rooms and tunnels you must fight your way through in order to reach and defeat the Mother Brain (don't ask why). The maze

alone would be a daunting challenge, but the enemies here are truly diabolical; you have to deal with them while trying at the same time to jump over deadly pools or empty space.

Killing the enemies, however, increases your life energy and your fire power. Here's a simple trick to beef up your energy reserves: Since a room is restocked with enemies each time you leave it, return to it often before tackling the next challenge.

One of the most novel features of **Metroid** is your character's ability to change from a man into a small ball. He can't shoot that way, but he can more easily avoid certain enemies and get into small places. (That's another hint, by the way, which you'll only appreciate when you're well into the game.)

Success at **Kid Icarus** (Nintendo, \$40) depends on accurate, well-timed jumps: Your landing places are either narrow or in motion, and while jumping you are being harassed by lethal beasts. If you've got the coordination to jump and shoot at the same time—and nerves of steel to boot—you'll do well here.

Your quest is to find three sacred treasures and an evil goddess, whom you must kill in order to rescue the goddess of light. By destroying enemies you earn hearts, which, as in *Zelda*, increase your life expectancy. Along the way you can earn more hearts by shooting at flying noses—yes, noses; there's a sense of humor at work in this very addictive game.

Deadly Towers (Broderbund, \$35) is the most difficult game of the four. Not only are the enemies much more numerous than in the other games—and no less aggressive—but some of them have the nasty habit of materializing suddenly out of nowhere.

The object here is to remove a bell from each of

seven towers of a castle. The castle also contains hidden dungeons and a parallel world; the entrances to these, which are huge, unmapped mazes, are invisible; worse, once you go in, you can get back out only by finding the hidden exit. Be warned: You won't get very far underground without a map. Avoid these places until you've learned the game pretty well.

The old Nintendo games have one common flaw: When you lose your last life, you must start the game from the beginning; you can't "save" your position as you can in many com-



Metroid

puter role-playing and adventure games. That problem has been ingeniously solved in these four new games, an improvement that adds immeasurably to the pleasure of playing them. —Burt Hochberg

MORE NINTENDO GOODIES

In my old favorite, **Lode Runner** (Broderbund, \$30), you collect gold chests in a maze of ladders and walkways while avoiding the Bungelings. In this new version, you see only part of the maze at any time; to see the rest, you must move your little guy to the edge of the screen, whereupon it scrolls—revealing, perhaps, a surprise demise.

Spelunker (Broderbund, \$30) is another great treasure-collecting maze game, this time in a series of treacherous caves and tunnels.

Raid on Bungeling Bay (Broderbund, \$30) requires you to guide a helicopter over enemy islands and destroy six factories. Like *Spelunker*, it's difficult but satisfying.

The Goonies II (Konami, \$37) is a fascinating, almost too difficult, maze-puzzle game. A map shows your position in either the front or back of the two-sided maze. You can move from front to back, but the rooms you seek stay tantalizingly inaccessible.

Arkanoid (Taito, \$19) is the latest incarnation of *Breakout*, one of Atari's ear-

liest hits. Your task is to knock out every brick of a wall by bouncing a ball off a paddle. Power capsules are released by hitting certain bricks. Each capsule you capture does something different: slows the ball, widens the paddle, turns the paddle into a gun, etc.

In **Elevator Action** (Taito, \$19), you try to descend through the 30-odd floors of a building via elevators and escalators that just aren't conveniently arranged, with bad guys shooting at you all the way. Delightful; not too deep.

Lunar Pool (FCI, \$30) is a fascinating puzzle-game based on pool. Round by round the tables become more fantastic, with pockets in odd places, cushions at strange angles, various obstructions, and starting positions that Minnesota Fats wouldn't bet a nickel on.

Skykid (Sunsoft, \$35) is a charming fly-and-shooter in which two players can collaborate to shoot down enemy planes while bombing a series of ground targets. The best part is doing loop-the-loops to sneak up behind the enemy.

1942 (Capcom, \$30) is a more serious fly-and-shoot game. If you like fast, non-stop action and have a tireless thumb, you'll love it.

—Burt Hochberg

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THE NEW INFRALUX



Pain emanating from inflamed joints and muscles can be excruciating. Just ask sufferers of bursitis, neuralgia, or arthritis. Infrared heat is the natural remedy preferred by doctors and therapists to dispel such nerve-racking pain. Recently redesigned, the Infralux infrared therapeutic heating

unit for personal use now is contoured, angled for reaching back and neck. The heating surface is tripled and the replaceable 10-watt bulb gives 45% more heat. Hi/low settings. Plugs into household outlet. UL listed. Unit with case **\$39.95** #1140.



THE 38,000 HOUR LIGHTBULB!

The problem with bulb savers is they reduce light output by almost 50%. But the patented, UL listed Power Miser has solved that problem. These little buttons are activated by a state-of-the-art microcontrol switch that limits voltage to the bulb to 85%, thereby prolonging the life of the filament. Light bulbs using Power Miser lose so little perceptible light that a foot-candle meter is needed to calculate the light loss. Under normal conditions, the Power Miser will extend the life of a regular one-way 100W bulb from 750 hours to 38,000 hours or about four years if used 24 hours every day! Many major hotels, corporations and universities use these types of devices in hard-to-reach places. They pay for themselves in light bulbs, labor and energy savings in no time. Set of 6 Power Misers **\$19.95** #2000; 12 for **\$29.95** #1990.



EXPERIENCE NATURAL STATES...THE VIDEO

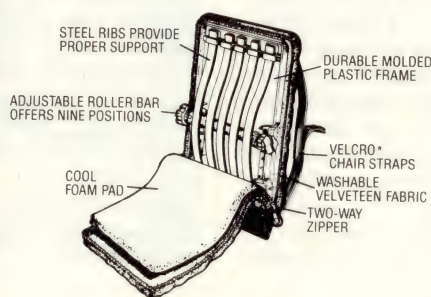
At last — the real thing in relaxation videos. No more inane fishtanks or fireplaces: Miramar's "Natural States" cassette presents a 45 minute trip through the Pacific Northwest, from California's Big Sur to Washington's Cascade Mountains. This is NOT a travelogue — not a word is spoken as the unique "steadicam" camera glides through rainforests, past verdant waterfalls, over and around mist-shrouded peaks. This unusual technique, mated to superb aerial shots, produces something very nearly like an out-of-body experience. The incredibly crisp footage is enhanced by an award winning score that was specially composed "note-to-frame," rather than just layered on in post-production. This is the first nature/music video to "go gold" in sales, and for good reason: its breathtaking beauty will bring tranquility to the worst case of stress and burnout. Just slip "Natural States" into your VCR; in 45 minutes you'll be human again! Hi-fi Stereo with Dolby Surround plays mono on regular machines. **\$29.95** #2010.



GIVE YOUR BACK A BREAK



Lower back pain is one of the commonest of human ailments. If you suffer from it, or if you want to avoid it, *you need this*—The Back Machine. Developed in cooperation with leading orthopedic physicians, and in wide use by hospitals and physical therapists, this remarkable 12" x 17" device—no bigger than a cushion—compensates for stress, fatigue, bad posture or poorly designed chairs. Unlike other units that give support in only one place, The Back Machine adjusts to nine positions to conform to your own unique spinal geometry: just unzip the washable cover and rotate the adjustable roller until the lumbar curve is precisely where you want it. Now, your spinal column receives the support it requires and lower back stress is minimized. Perfect for home, office, the car or plane (especially those long trips) it's light weight and portable. Durable steel and plastic construction, with velcro straps to attach to any chair. **\$39.95** #1870.

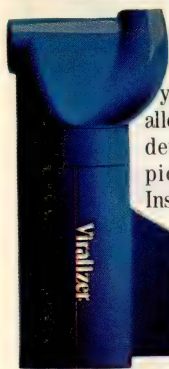


A TIMELY RETURN TO THE CLASSICS

Back in the 1920's and 30's, the world's honored watchmakers were creating elegant timepieces that ultimately became valued works of art, fine heirlooms treasured for their imaginative yet functional design. Two of these classics are recreated with precision quartz movements accurate within a minute a year. The famous Retro Classic with silver brushed face curves to the wrist with contoured case, curved crystal. The antique-looking Moonphase revives a mystique that captivated moon-watchers eons before there were moon-walkers. The gold moon in a starry sky moves through a crescent window. Entrancing! All the delicate detail of the original is recaptured and a discreet date window added. Both styles **\$59.95**. Retro Classic #1590 Ladies or #1600 Men's. Moonphase #1570 Ladies or #1580 Men's.

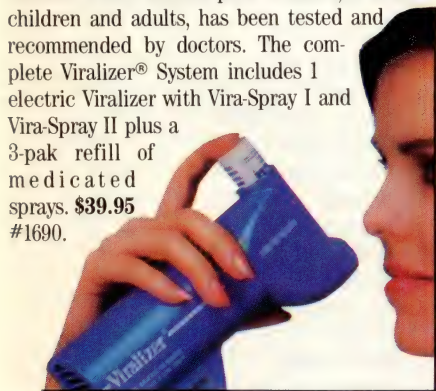


ALLERGY AND COLD BUSTER



Now a major scientific breakthrough — The Viralizer® System—gives you relief from cold, sinus and allergy symptoms. It's the newest development of a concept pioneered at the Pasteur Institute in Paris. The cause of the common cold is the Rhinovirus family which lives and multiplies in the nose and throat, but cannot thrive in temperatures over 110°F. The Viralizer is designed to deliver a gentle, controlled heat which penetrates the nose and throat, creating a hostile environment

for cold viruses. After a pleasant heat treatment, the Viralizer dispenses either of two mild, over-the-counter, medicated sprays. Vira-Spray I is an analgesic, anti-bacterial spray. Vira-Spray II is a decongestant that provides temporary relief of nasal congestion due to colds, hayfever, sinusitis or allergies. These therapeutic sprays further discourage the stubborn cold and sinusitis germs so you're less likely to be re-infected or spread your cold to others. The Viralizer can produce effective relief by using it for only 3 or 4 minutes, several times a day. Proven in clinical tests 90% effective in eliminating the symptoms of upper respiratory infection in 24 hours or less, the Viralizer works without pills. Viralizer, is safe for children and adults, has been tested and recommended by doctors. The complete Viralizer® System includes 1 electric Viralizer with Vira-Spray I and Vira-Spray II plus a 3-pak refill of medicated sprays. **\$39.95** #1690.



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AN AMERICAN CLASSIC

The very best of the Adirondack chairs are still made in the Adirondacks, in Willsboro, N.Y., on the shores of Lake Champlain. Willsboro's skilled woodworkers have done more than just re-create this American classic - they've added refinements such as a fully contoured seat and 5" wide arms for the ultimate in comfort. And the workmanship! Not a screw in sight - not even a capped screw, just solid maple pegs in the true yankee manner. The rich rock maple is an extremely dense and attractively grained wood, all sanded to a fine furniture finish - no sharp corners or splintering. Willsboro's artisans have incorporated a unique (and patented) tongue-in-groove folding mechanism that lets you fold the chair to a mere 10" thickness; sturdy hardwood locking pins secure it in the open position. When each piece is completed, it is treated with Willsboro's special zinc-based, rot-resistant clear protective finish; leave them to weather naturally or they can be painted. There never has been an Adirondack chair like this...and we have a matching footrest, designed to create a chaise lounge, and an end table to go alongside - both constructed in the same fine tradition. The chair is 38" x 14" x 20", **\$129.95** #1880. The footrest is 14" x 20" x 22", **\$69.95** #1890. The end table is 16" x 14" x 24", **\$59.95** #1900.



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★ W I L D C A R D S ★

EDITED BY MIKE SHENK

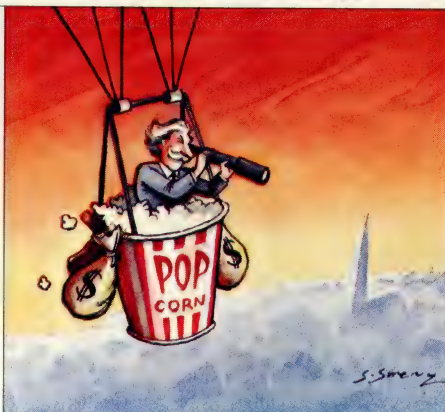
TWISTS

X-RATED MOVIES

We've taken the names of some familiar movies and replaced all the letters and numerals with X's. Each capitalized letter and each numeral has been replaced with a capital X, while each lower case letter has been replaced with a lower case x. Can you reconstruct the original titles from these X-rated versions?

1. X.X. Xxx Xxxxx-Xxxxxxxxxxxx
2. Xxx Xxxx xxx X
3. Xx. Xx
4. X*X*X*X
5. Xxxxxx/Xxxxxxxxx
6. Xxx & Xxxxx & Xxx & Xxxxx
7. XXXX: X Xxxxx Xxxxxxx
8. Xxxx'x Xxxxxxxxxxxxxx!
9. Xxxxxx xx. Xxxxxx
10. Xxxxx-XX
11. Xxxx Xxxxx Xxxxxx, Xxx'x Xxxx?
12. X/X
13. Xx, Xxx!
14. Xxxxx'x
15. XxXxxx xxx Xxx. Xxxxxx
16. XX,XXX Xxxxxxx Xxxxx xxx Xxx
17. Xxxxxx X'Xxxxx Xxxx
18. Xx Xxxx xxx Xxx xx X.X.
19. Xxxxxxx xx XXxx Xxxxxx
20. Xxxx! Xxxx! Xxxx!
21. jXxxxx Xxxxxx!
22. Xxxx'x Xx, Xxx?
23. ... Xxx Xxxxxxx xxx Xxx
24. Xxxx Xx xx Xx. Xxxxx
25. Xxxxxx' xx xxx Xxxx

—Mike Shenk



WORDPLAY

FAMILY PICTURE

A common eight-letter word can be formed by surrounding a familiar girl's name with a synonym for "father" and a synonym for "mother." What word is it?

—Edward Dermon

TEASERS

IN A DAZE

Can you determine the sequence represented by the following words, and supply the next word in the series?

NOM
SUET
SWEDEN
HURTS

—Adam Sumera

FOR THE RECORD

YOU DON'T SAY

What would the Disney characters Dumbo, Dopey, Tinkerbell, and Pluto say is the one trait they all have in common?

—Robert Leighton

IN OTHER WORDS

RUSSIAN 101

You don't need to know Russian to take this test—just match the 15 Russian words (1–15) with their English translations (a–o), and see if you aren't surprised at just how much Russian you know.

1. *alpinism*
2. *baryerist*
3. *baton shokoladni*
4. *kontsertant*
5. *narkoman*
6. *paniker*
7. *planersport*
8. *portsigar*
9. *prognoz*
10. *tabulyagramma*
11. *takser*
12. *telefonistka*
13. *flotski*
14. *fotoapparat*
15. *shkolinik*

- a. cab driver
- b. camera
- c. chocolate bar
- d. cigarette case
- e. drug addict
- f. gliding
- g. hurdler
- h. mountain climbing
- i. operator
- j. performer
- k. printout
- l. pupil
- m. sailor
- n. scaremonger
- o. weather forecast

—Ruth Freedman

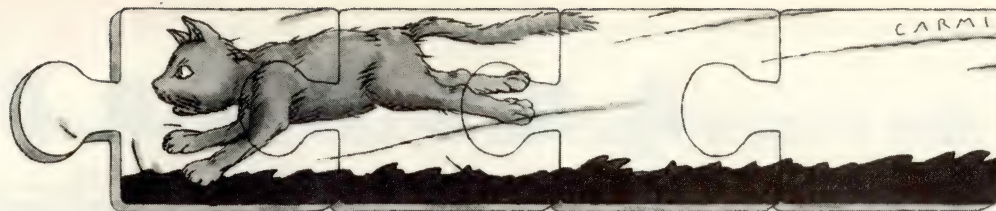
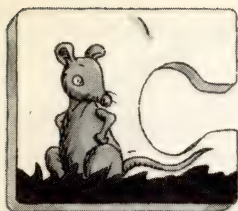
NUMBER PLAY

THE OLD SWITCHER-RULE

Take the 12-inch ruler shown at right, switch two of the numbers, and then draw a vertical line between two of the numbers so that (1) the sums of the numbers on both sides of the line are the same, and (2) the sum of the numbers atop black spaces is the same as the sum of those atop white spaces.



—Karen Nimmons



LOGIC THE OZ QUEST

Although the inhabitants of Oz love to hear about Dorothy's early years in Kansas, it's hard for them to imagine such exotic objects as a cyclone cellar or a bicycle. To alleviate this difficulty, H. M. Woggle-Bug, T. E., Curator of the Official Museum of the Land of Oz, recently invited the five regions of Oz to join in The Great Oz/Kansas Scavenger Hunt. One player from each of the five regions—the Munchkin, Winkie, Quadling, and Gillikan countries, and the Emerald City—would search for five rare artifacts: a screen door, a cyclone cellar, a cyclone, a bicycle, and a bicycle basket.

The hunt was a great success. The five players—Hoodle, Frazz, Balabu, Pelerooney, and Snid—together brought back at least one of every item on the list, though no player found all five. Here's a report of their accomplishments:

1. Snid found more items than did the Winkie, and the Quadling found more than Hoodle.

2. Balabu and Pelerooney brought back one item each, Balabu bringing a bicycle.

3. Only the Munchkin and Frazz brought back cyclones. That is, cyclones were found by only the Quadling and either Hoodle or the Emerald City player.

4. Snid found a bicycle basket, but the Winkie and the Gillikan did not. The Munchkin couldn't find either a bicycle basket or a bicycle.

5. Hoodle was pleased that she found the only screen door, and that her cousin the Winkie found the only cyclone cellar.

Can you identify which region each player was from, and the items he or she brought back?

—Bob Stanton

TEASERS WORDS TO THE WISE

All of the following words share an interesting property. Can you determine what they have in common?

ARROW AWNING AWL
EARLY EARNING EAST
ON ORE OURSELVES

—Robert Gray

NUMBER PLAY AGE OF REASON

Jim is 17 times as old as his brother was when Jim was as old as his brother was when Jim was as old as his brother is. And their father is not even 90 yet. How old are Jim and his brother?

—Guney Mentos

WORDPLAY ALPHABETICAL ORDER

Can you make nine ordinary English words by filling in the blanks below and at right?

A B _ _ _ C _ _
D _ E _ F _ _
G H _ _ _ I _
J _ _ K _ L _

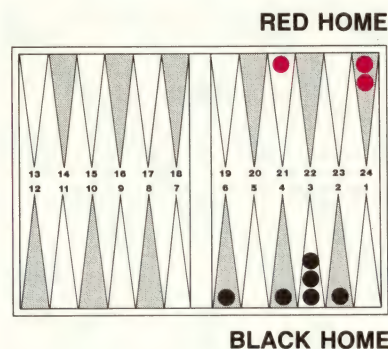
M _ N O P _ _ _
Q _ _ _ R _ S _
T U _ _ _ V _ _
_ _ _ W _ X _
_ _ _ Y Z _

—N. M. Meyer

BACKGAMMON THE BEST MOVE

In the backgammon bear-off position shown at right, Black rolls 6-1. What is Black's best move?

—Bill Davis



RED HOME

BLACK HOME

ANSWERS

4 YOUR MOVE

Flip Side

(Susan B.) Anthony is next. These are the people shown on the most recent U.S. coins, from penny up to dollar.

Sum-it Meeting

9338
+ 932
10270

Long, Long Trail

Two inches from the center, just as at the start. The ladybug crawls to a point an inch from the center every time, and then is put back to 2 inches from the center by each doubling of the string's length.

How's That?

Number the sentences 1 through 4. From #1 we know that ircles slive the drobbly glents. Therefore, from #3, no wumbles blee the dorpleum. From #4, either drystals glaith at torfzand or else parkles do not hork all jeamers. (Otherwise wumbles would blee the dorpleum, which we already know to be false.) But from #1 we know that parkles do hork all jeamers, so drystals must glaith at torfzand. Finally, from #2 we deduce that bilfen anfer plermings.

So the answer is: Yes, bilfen anfer plermings.

Woman in the Middle

1. Scarlett O'Hara (*Gone With the Wind*)
2. Guinevere (*Camelot*)
3. Eliza Doolittle (*My Fair Lady*)
4. Priscilla Mullins
5. Bess (*Porgy and Bess*)
6. Helen of Troy (*The Iliad*)
7. Laurey (*Oklahoma!*)
8. Carmen (*Carmen*)
9. Bathseba (Old Testament)
10. Lucie Manette (*A Tale of Two Cities*)
11. Ilse Laszlo (*Casablanca*)
12. Catherine Earnshaw (*Wuthering Heights*)
13. Eve Kendall (*North by Northwest*)
14. Nina (*The Sea Gull*)
15. Roxane Robin (*Cyrano de Bergerac*)

A Matter of Degree

The precise formula is $9/5 C + 32 = F$, while the approximation is $2C + 30 = F$. If both methods give the same number for F, then $9/5 C + 32 = 2C + 30$. Solving this equation gives $C = 10$.

Therefore, the temperature was 10°C, or 50°F.

33 NAME-DROPPING

REAP	ALOHA	PROV	ISAT
ALLI	LEMON	PIANO	TACO
JOANNE	WARD	ETHEL	BARRY
ANSWERER	DENTS	CELIE	
HATS	LEANS	CADI	
SAWERS	PIECE	MONOCLED	
ABIES	HUMPHREY	BOG	IIVE
NELL	DONE	MARS	CLIN
DEL	ROCKY	MARCIA	TOLLS
STIMULUS	ASEED	BRAISE	
EASES	BYONE	WAITA	
PUMPED	CLONE	BASSINET	
OVALS	GEORGE	GERSH	HUR
LUKE	CART	UNTO	DEBI
ILE	JAMES	EARL	JJS
CAROUSES	CHILI	SELLER	
UNTS	TAILS	TATI	
GOTTA	FORTE	AUTO	GIRO
RAHFAWCETT	DUST	JNHMAN	
IIII	ALLIE	UNION	TAME
PLOT	YULE	PEARY	STAR

26 CRYPTOLISTS

1. Indian Items

Wigwam
Peace pipe
Moccasins
Feather headdress
Totem pole
Wampum
Tomahawk
War paint
Deerskin pants
Papoose

2. Game Shows

Jeopardy!
Hollywood Squares
To Tell the Truth
Password
The Price is Right
Family Feud
Concentration
Joker's Wild

3. At a Bank

Automatic teller
Safe deposit box
Interest rates
Foreign exchange
Loan inquiries
Checking account
Christmas Club
Savings bond
Bounced check
Security camera

4. Odd Comic Book Titles

Sky Sheriff
Peter Porkchops
Teen-Age Temptations
Kid Carrots
Tessie the Typist
Slave Girl Comics
Boy Commandos
Rock and Rollo
Frisky Fables

5. Turning 50 This Year

Richard Benjamin
Connie Francis
Rich Little
Johnny Paycheck
Rex Reed
Jon Voight
Superman
Peter Jennings
Rudolf Nureyev
Gordon Lightfoot

6. Mystery List

(Things that are drawn)
Well water
Gunslinger's pistol
Tie game
Conclusions
Haggard face
Winning entry
Straws
Deep breath
Crowd
Comic strip

14 STROKES OF GENIUS: EYE EXAM

The fake art works are: 1-b, 2-a, 3-a, 4-b, 5-b.

20 FOOD, GLORIOUS FOOD

1. c
2. a-whole-wheat bread
b-coleslaw
c-rice pudding
3. b
4. a-4, b-5, c-1, d-2, e-3
5. a-Wendy's Single, b-McDonald's Big Mac,
c-White Castle, d-Burger King Whopper
6. Nouvelle cuisine-a
cuisine minceur-b
grazing-b
7. e (tomato), b (Iceberg lettuce), h (cucumbers),
f (bacon bits), g (fresh fruit), d (hard-boiled
eggs), c (coleslaw), a (raw green beans)
8. d
9. a-4, b-1, c-2, d-3, e-6, f-5
10. a-8, b-5, c-7, d-1, e-9, f-6, g-2, h-4, i-3,
j-10
11. a
12. a-4, b-5, c-2, d-1, e-3
13. d
14. c
15. b (The avocado is 75% fat, devil's-food cake is
40%-50%, flank steak 30%-40%, pancakes
20%-30%, buttermilk less than 20%.)
16. c
17. a-al dente (Tender pasta contains more water,
thus has fewer calories per unit volume.)
b-yolk (A cup of yolks has 846 calories, a cup
of egg whites has 396.)
c-they're the same (You don't eat the pits.)
18. d (In 1977, the reported price in Hong Kong for
an ounce of wild ginseng from China's Chan
Pak Mountains was \$23,000. By comparison,
First Choice Black Perigord truffles sell for
\$13.20 per .44 ounce.)
19. b
20. c (Since 1912, about 100 billion Oreos have
been sold.)
21. a (Technically, a peanut is a legume, and Brazil
nuts and almonds are seeds.)

40 STILL LIFE

The correct view is number 4.

31 FOUR-IN-ONE CROSSWORD

HAG	CABS	BAD	ASP
ERA	UTAH	OWE	THO
MEGA	DOSE	MAB	HAS
ALF	LIDB	RAVERY	
BRIT	TLEA	DRANK	
RUNO	NSGEN	KNIFE	
AGENT	UINETS	SNAIL	
SPYA	LENTF	IANN	S
TEES	ND	SIT	BOAS
DREN	CH	SWAF	ERVOR
YAK	OARY	HANS	SOLO
ETA	USAB	ARN	COB
REB	IRTH	AWAY	GAME
GOOSE	JED	ODOR	
YOU	ADS	DONT	

"A genuine talent finds its way."—Goethe

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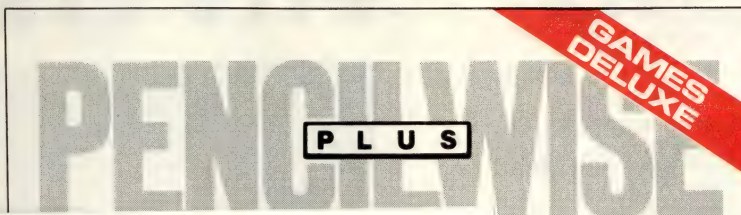
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like Sherk

I somewhere
word affinity,
he answer is
beginning in
long the out-
this way, the
pper left cor-
pher Morley.



air a diode in the receiver. (5)
he yogi some tricky kind of
the violent anger in each

OF CHALLENGE AND DELIGHT IN
EVERY ISSUE

PENCILWISE PLUS ANSWERS BEGIN ON PAGE A14.

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ANSWERS

4 YOUR MOVE

Flip Side

(Susan B.) Anthony is next. These are the people shown on the most recent U.S. coins, from penny up to dollar.

Sum-it Meeting

9338
+ 932
10270

Long, Long Trail

Two inches from the center, just as at the start. The ladybug crawls to a point an inch from the center every time, and then is put back to 2 inches from the center by each doubling of the string's length.

How's That?

Number the sentences 1 through 4. For know that ircles slive the drobbly glents. T from #3, no wumbles blee the dorplede. #4, either drystals glaith at torfazand or kles do not hork all jeamers. (Otherwise would blee the dorpledeum, which we alre to be false.) But from #1 we know that p hork all jeamers, so drystals must glaith zand. Finally, from #2 we deduce that bi plermings.

So the answer is: Yes, bilfen anfer ple

Woman in the Middle

1. Scarlett O'Hara (*Gone With the Win*)
2. Guinevere (*Camelot*)
3. Eliza Doolittle (*My Fair Lady*)
4. Priscilla Mullins
5. Bess (*Porgy and Bess*)
6. Helen of Troy (*The Iliad*)
7. Laurey (*Oklahoma!*)
8. Carmen (*Carmen*)
9. Bathseba (Old Testament)
10. Lucie Manette (*A Tale of Two Cities*)
11. Ilsa Laszlo (*Casablanca*)
12. Catherine Earnshaw (*Wuthering He*)
13. Eve Kendall (*North by Northwest*)
14. Nina (*The Sea Gull*)
15. Roxane Robin (*Cyrano de Bergerac*)

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ABIES	HUMPHREY	BOG	IVE
NELL	DONE	MARS	CLIN
DEL	ROCKY	MARCIA	TOLLS
STIMULUS	ASEED	BRAISE	
EASES	BYONE	WAITA	
PUMPED	CLONE	BASSINET	
OVALS	GEORGE	GERSH	HUR
LUKE	CART	UNTO	DEBI
ILE	JAMES	EARL	LJS
CAROUSES	CHILI	SELLER	
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RAHFA	WCETT	DUSTIN	HMAN
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Hollywood Squares

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c-White Castle, d-Burger King Whopper
6. Nouvelle cuisine-a
cuisine minceur-b
grazing-b
7. e (tomato), b (iceberg lettuce), h (cucumbers),
f (bacon bits), g (fresh fruit), d (hard-boiled
eggs), c (coleslaw), a (raw green beans)
8. d



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AGENT	UINET	SNAIL	
SPYA	LENT	FIANNS	
TEES	ND	SIT	BOAS
DREN	CHSW	AFER	VOR
YAK	OARY	HANS	SOLO
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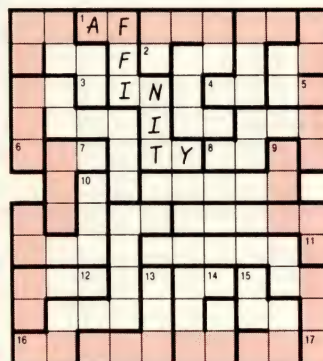
INSIDE AND OUT

By Will Shortz

★★

Each sentence below has a hidden word that is defined somewhere in the line. For example, sentence #1 conceals the word *affinity*, which is defined as "liking." (The number of letters in the answer is shown in parentheses.) Enter each answer in the grid beginning in the appropriately numbered square and proceeding along the outlined path. When all the answers have been entered in this way, the shaded squares on the grid's border—starting in the upper left corner and reading clockwise—will spell a quote by Christopher Morley.

1. By covering the sheet with paraffin, it yielded a luster to the worker's *(liking)* (6)
2. If the girls look promising, let one try out for the team. (9)
3. The sound of the bird in Handel's oratorio left me bewildered. (6)
4. Seven visitors remained in part of New England. (5)
5. The darkness had everyone scared. (5)
6. Ray, the clean-up man, described the circus to Diana. (9)
7. The hungry fox encircled the sleeping farm animals. (4)
8. We discussed a political theory of freedom in our philosophy class. (6)
9. Our next entry in the talent competition shows room for improvement. (6)
10. It's hard to overcome a downwind in a field of expert bicyclists. (6)
11. The metal pin enabled me to fix the Swiss watch. (6)
12. Several taxpayers don't think the rate adjustment is fair. (4)
13. The Indian language is behind in the development of new words. (5)
14. Father ran downtown on a quick trip to the store. (6)



15. We need to repair a diode in the receiver. (5)
16. Martha taught the yogi some tricky kind of exercises. (9)
17. Color showed in the violent anger in each man's face. (9)

PENCILWISE PLUS ANSWERS BEGIN ON PAGE A14.

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ANSWERS

32 CRYPTIC CROSSWORD 1

ACROSS

- 1 Facial (oF A CIA Laboratory)
- 4 Handicap (a chin pad)
- 9 Revamp (rev + amp)
- 10 Evildoer (lied over)
- 11 Satiric (C + I + Rita's)
- 13 Nymphet (nyet + mph)
- 14 Double agent (legend about)
- 17 Non sequitur (question run)
- 21 Arrange (gear ran)
- 22 Ticking (two meanings)
- 23 Appetite (a + p. + petite)
- 24 Behest (he + best)
- 25 Heliport (tHE LIP OR Tongue)
- 26 Grater (greater)

DOWN

- 1 Fireside (F + I + reside)
- 2 Covetous (co. + veto + us)
- 3 Admiral (I'd alarm)
- 5 Advancement (ad + van + cement)
- 6 Delimit (deli + M.I.T.)
- 7 Clothe (Che + lot)
- 8 Purity (up I try)
- 12 Chain letter (chatter + line)
- 15 Strident (s + trident)
- 16 Dragster (st. + regard)
- 17 Nonstop (no + N-S + top)
- 18 Unclear (uncle + bar - b)
- 19 Wabash (a + B + wash)
- 20 Propel (rope + pl.)

32 CRYPTIC CROSSWORD 2

ACROSS

- 1 Bareheaded (Hera + beaded)
- 6 Stab (bats)
- 9 Technocrat (trenchcoat)
- 10 Oslo (czechOSLOvakia)
- 12 Sprayed (sped + ray)
- 13 Outrage (R + outage)
- 14 Discount (disco + nut)
- 16 Regina (anger + I)
- 18 Thorny (Ty + horn)
- 19 Soothing (so + 0 + thing)
- 21 Remorse (re + Morse)
- 22 Receded (decreed)
- 25 Elks (el + KansaS)
- 26 Witchcraft (with + C + craft)
- 27 Turn (tern)
- 28 Conspiracy (con's + piracy)

DOWN

- 1 Butts (but + T. S.)
- 2 Racer (R.R. + ace)
- 3 Honeymooners (money on horse)
- 4 Accident (I + d + accent)
- 5 Enamor (Roman + E)
- 7 Toscanini (to + scan + in + I)
- 8 Boomerang (bang + Romeo)
- 11 Streptococci (cite crop cost)
- 14 Detergent (deter + gent)
- 15 Shoemaker (hear smoke)
- 17 Dog races (do + graces)
- 20 Mexico (XI + ME + co.)
- 23 Drama (Dr. + AMA)
- 24 Ditty (eDIT Tye)

39 EYEBALL BENDERS

- 1 Basketball
- 2 Popcorn machine
- 3 Carousel
- 4 Bicycle
- 5 Roller coaster
- 6 Skateboard
- 7 Tennis racket
- 8 Swing

30 TITLE BOUT

Our answers are as follows. (Others may also be possible.)

BLACK: "That Old Black Magic," *The Black Hole*, *The Red and the Black*, *Baa Baa Black Sheep*

FLYING: "The Daring Young Man on the Flying Trapeze," *Flying Down to Rio*, *Fear of Flying*, *The Flying Nun*

ISLAND: "Island Girl," *The Island of Dr. Moreau*, *Treasure Island*, *Fantasy Island*

STREET: "On the Street Where You Live," *Miracle on 34th Street*, *Main Street*, *Hill Street Blues*

THREE: "Three Coins in the Fountain," *The Three Faces of Eve*, *The Three Musketeers*, *My Three Sons*

VALLEY: "Valley Girl," *How Green Was My Valley*, *Valley of the Dolls*, *Death Valley Days*

WILD CARD ANSWERS

X-RATED MOVIES

1. *E.T. The Extra-Terrestrial*
2. *The King and I*
3. *Dr. No*
4. *M*A*S*H*
5. *Victor/Victoria*
6. *Bob & Carol & Ted & Alice*
7. *2001: A Space Odyssey*
8. *That's Entertainment!*
9. *Kramer vs. Kramer*
10. *Catch-22*
11. *They Shoot Horses, Don't They?*
12. *F/X*
13. *Oh, God!*
14. *Porky's*
15. *McCabe and Mrs. Miller*
16. *20,000 Leagues Under the Sea*
17. *Twelve O'Clock High*
18. *To Live and Die in L.A.*
19. *Miracle on 34th Street*
20. *Tora! Tora! Tora!*
21. *iThree Amigos!*
22. *What's Up, Doc?*
23. *... And Justice for All*
24. *Meet Me in St. Louis*
25. *Singin' in the Rain*

THE OLD SWITCHER-RULE

Switch the 7 and the 10, and draw the line between the 8 and 9. Then all the sums will be 39.

FAMILY PICTURE

The word is PANORAMA: PA-NORA-MA.

IN A DAZE

The next word in the series is FIR. Each word is an anagram of the letters in one of the days of the week, with the letters -DAY dropped.

YOU DON'T SAY

They wouldn't say anything—none of these characters ever spoke.

RUSSIAN 101

- 1-h, mountain climbing
- 2-g, hurdler
- 3-c, chocolate bar
- 4-j, performer
- 5-e, drug addict
- 6-n, scaremonger
- 7-f, gliding
- 8-d, cigarette case
- 9-o, weather forecast
- 10-k, printout
- 11-a, cab driver
- 12-i, operator
- 13-m, sailor
- 14-b, camera
- 15-l, pupil

Adapted from Words, Ltd., Molokai, HI 96742

THE OZ QUEST

The winner was Frazz, the Quadling, who found a bicycle, a bicycle basket, and a cyclone.

Snid, from the Emerald City, found a bicycle and a bicycle basket.

Hoodle, the Munchkin, found a screen door and a cyclone.

Balabu, the Gillikan, found a bicycle.

Pelerooney, the Winkie, found a cyclone cellar.

WORDS TO THE WISE

Each of the words become a new word if the letter Y is placed in front of it: yarrow, yawning, yawl, etc.

AGE OF REASON

Jim is 51 years old, and his brother is 35.

ALPHABETICAL ORDER

Our answers are:

absence
dreadful
gherkin
jackal
monopoly
queerest
turnover
beeswax
analyze

(Other answers may be possible.)

THE BEST MOVE

After rolling 6-1, Black's best move is to resign! His roll only allows him to take off one piece. Since Red will always bear off his remaining checkers within two turns, Black will have at most one more roll to bear off five checkers, an impossibility.

A.K.A. ON TV

1. The Beaver (*Leave It to Beaver*)
2. Hoss (*Bonanza*)
3. J. R. (*Dallas*)
4. Fonzie (*Happy Days*)
5. Radar (*M*A*S*H*)
6. Gidget (*Gidget*)
7. Hutch (*Starsky and Hutch*)
8. Scotty (*Star Trek*)
9. Kookie (*77 Sunset Strip*)
10. Ponch (*CHiPs*)
11. B. A. (*The A-Team*)
12. The Skipper (*Gilligan's Island*)

EVENTS

If you plan to attend any of the following events, write or call to check entry fees, dates, sites, eligibility, etc. Include a SASE with your request. If you know of other events suitable for this column, write to Events, c/o GAMES.

APRIL

DAY OF THE MONTH: APRIL 31

The purpose of "Diacritical Day" is to recognize the value of those seldom used accent marks known as diacritics. Coined in 1866, a diacritic is an accent near or through an orthographic or phonetic character or combination of characters indicating a phonetic value different from that given the unmarked or otherwise marked element. The diacritics are: the acute and grave accent, circumflex, tilde, macron, breve, haček, diaeresis, and cedilla. Remember, a diacritic a day keeps the proof-reader awake!

HUMOR The seventh international WHIM Humor Conference, April 1-4 at Purdue University will explore what tickles your funny bone. This year's conference has as its theme "Humor of the Midwest." WHIM (World Humor and Irony Membership) includes humor scholars and performers who will speak on the significance of humor in psychology, literature, and many other subjects. Presentations, displays of humor publications, and a joke-telling contest are some of the other events. CONTACT: Victor Raskin, Chair, Linguistics Program, Heavilon Hall, English Dept., Purdue University, West Lafayette, IN 47907 or call (317) 494-3780 or (317) 494-3782.

KITES The expression "Go fly a kite" will take on new meaning at the Kalamazoo County Parks Kitefest 1988 at River Oaks Park in Kalamazoo, Michigan. Sponsored by the Kalamazoo County Parks Dept., Kitefest '88 will include a kite-making workshop for children, kite-flying competitions and demonstrations, and plenty of high-flying kites. Awards will be given in several categories, including a prize for the kite with the best theme. CONTACT: Kalamazoo County Parks Dept., 2900 Lake St., Kalamazoo, MI 49001 or call John Cosby at (616) 383-8778.

SCRABBLE The tenth annual Huntington Beach Scrabble Tournament will be held April 9-10 at the Driftwood Beach Recreation Center, 21462 Pacific Coast Highway, Huntington Beach, CA 92646. Competitions will be held in three skill divisions, and cash prizes will be awarded. CONTACT: Geneva Akers at (714) 960-2729.

MAY

DAYS OF THE MONTH: MAY 20-28

The purpose of Cartoon Art Appreciation Week is to create a greater public awareness of and appreciation for cartoon art and its creators. Through their chronicling of the fun and fears of our times, cartoons reflect our social, economic and cultural history. The various forms of cartoon art in-

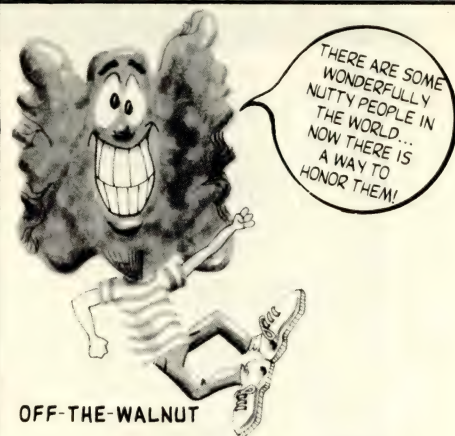
clude comic books, which were started by newspaper publishers as an advertising promotion, magazine cartoons, such as those in Esquire and Playboy, animation art, mastered by Walt Disney, and newspaper cartoons, which most readily spring to mind when people think of cartoon art. A major emphasis of Cartoon Art Appreciation Week will be directed to elementary and high school students to promote reading and comprehension skills through the use of the daily and Sunday comic pages. CONTACT: Cartoon Art Museum, Ronald L. Schwartz, Chairman, 1 Sutter St., Suite 205, San Francisco, CA 94104.



CROSSWORDS Clever cruciverbalists will meet at the Fourth Annual North Jersey Crossword Open June 4 at the Riverside Square Mall in Hackensack, New Jersey. Competitions in three solving skill divisions along with crosswords and informal games will be the highlights of this year's event. A total of \$1,000 in cash prizes will be awarded. CONTACT: American Crossword Federation, P.O. Box 69, Massapequa Park, NY 11762 or call (212) 608-5150.

FESTIVAL The Franklin Institute's Annual Bubbles and Balloons Festival will be held May 14-15, at the Franklin Institute in Philadelphia, PA. This year's festival features the return of "Professor Bubble," noted bubbleologist Richard Faverty, who is known as the master of the double body bubble, which is a technique that encases two people in one giant soap bubble. Other programs include bubble and balloon workshops and demonstrations. CONTACT: The Franklin Institute, 20th & the Parkway, Philadelphia, PA 19103-1194 or call (215) 448-1200.

GO The fifteenth annual Maryland Open Go Tournament will be held Saturday May 28th at St. Bartholomew's Episcopal Church in Baltimore City, Maryland. Players of all ranks are welcome, and cash prizes will be awarded. Entry fees range from \$5 to \$20. CONTACT: Sam Zimmerman at (301) 765-2771 or Keith Arnold at (301) 437-3376.



OFF-THE-WALNUT

MEMBERSHIP IN THE NEW CERTIFIED NUT SOCIETY

Membership in the **CERTIFIED NUT SOCIETY** is a gift which recognizes the recipient as a special person who enriches the lives of others through the positive use of humor. The membership will make the recipient **feel** special, too... because this gift shows your appreciation for a very important attribute - a good sense of humor.

The membership includes a "Certificate of Admission," beautifully printed on parchment, personalized with the name of recipient and individually numbered. The certificate is presented in a fine wood frame with glass and enclosed in a gift envelope. A personal letter from the **SOCIETY** is included which also provides for the purchaser(s) to sign.

To gain a "Petition for Membership" set please send \$2.00.* The set includes instructions, worksheets, order forms, an "Affidavit of Nuttiness," a postage-paid return envelope and **full color illustrations** of our **CERTIFIED NUT SOCIETY** family of nut characters.

These characters are the highlight of our certificates and gift items.

FIRST CASHEW (First Class)
BETTER PECAN (Premium Quality)
OFF-THE-WALNUT (Wild, but Wonderful)
LOVE NUT (Fun Lover)
ORDER D'ALMOND (Cream of the Crop)

Fine quality specialty gifts, imprinted with the selected nut character (in 4 color), may be purchased to compliment the Gift Membership.

Membership in **CERTIFIED NUT SOCIETY**
(described above) 11.00*

Coffee Mug
The 10-oz. mug is by world-
renowned Pfaltzgraf; it is
dishwasher and microwave safe. 7.00*

T-shirt
The T-shirts are a high quality 50-50
polyester and natural fiber blend
to provide comfort and good
appearance with minimal shrinkage. 11.00*

* plus postage and handling
Copyrights by the **INTERNATIONAL CERTIFIED NUT SOCIETY, INC.**

The **CERTIFIED NUT SOCIETY** understands that even when having fun, people want quality workmanship and products. So you can expect exactly that.

Send check or money order to:

**CERTIFIED NUT SOCIETY, P.O. Box 1614,
Royal Oak, MI 48068.**

Please send _____ petition set(s) at \$2.00 each.
I also enclose \$1.00 postage and handling for the
first set and \$.50 for each additional set.

TOTAL \$ _____

Name _____ (Please Print)

Street _____

City _____

State _____ Zip _____

ANSWERS

34 DOUBLE CROSS

- A. TOESHOE
- B. OFFICIATED
- C. MAYDAY
- D. WARSHIP
- E. ODONTOLOGY
- F. LAW AND ORDER
- G. FORTHWITH
- H. ESTABLISHED
- I. TOKAY
- J. HEATHEN
- K. EYE-POPPING
- L. RAMBUNCTIOUS
- M. INTERNECINE
- N. GALATIAN
- O. HATCHWAY
- P. TENEMENT
- Q. SHADOW
- R. TOFFEE
- S. UNDENIABLY
- T. FAVORITE
- U. FERVENT

A career in flying was like climbing one of those ancient Babylonian pyramids . . . and the idea was to prove at every foot of the way up that pyramid that you were one of the elected and anointed ones who had the right stuff.—Tom Wolfe, *The Right Stuff*

10 MAGIC

The number is 3.

25 WATER SUPPLY

ALTER	PASO	DAIS
SIEVE	AVIV	INCA
STREAMLINE	ETON	
EER	COED	RAGING
TRACTOR	OSLO	
	OER	STEERED
AWARD	DATA	IDEA
LAIR	BITES	VEND
IDLE	AVER	GENTS
ESSAYED	SIR	
	PROD	PARABLE
ADJOIN	ARIA	LAS
LEAN	ENGULFMENT	
TEND	TEEN	FENCE
ORES	SORE	ELDER

27 GETTING THINGS DONE

FRONTLINE	BIBS
LEVERAGED	GENET
ONEWAY	ORANOTHER
OER	YARD
RGS	ANGELES
MAIL	CONFESSERS
ADZE	SUER
NEED	ATRIP
	OLEO
TRIANGULAR	ASST
RUNRIOT	TIT
ENCINO	TADA
BYHOOK	ORBYCROOK
LOESS	DEBENTURE
ENDO	SEERESSES

35 BUILDING BLOCKS

O	R	C	H	E	S	T	R	A
P	R	O	G	N	O	S	I	S
W	O	M	E	N	F	O	L	K
A	M	P	L	I	T	U	D	E
H	O	U	S	E	W	I	F	E
M	A	T	R	I	A	R	C	H
T	H	E	O	C	R	A	C	Y
D	A	R	E	D	E	V	I	L

42 BUSHKA

- A. 1. ... g87 2.g3x6, de6 3.kxf6, f0x7.
- B. 1.dc3, c7x4 2.fe5, axd5 3.gf5, bxe5 4.e1x4, bxd4 5.d23x, d54x.
- C. 1. ...bf6 2.f2x5 e7f6x (This is a double piece-capture: Black moves from e7 to f7, capturing g7, and then continues from f7 to f6, capturing f5.) 3.f3x5 e65 4.e1x4 ce6 5.e2x5 axd5.
- D. 1.gf4 de4x 2.hg4 ef4x 3.gf6 cxe6 4.g5e5x (a quadruple piece-capture) followed by 5.f34.

25 MUM'S THE WORD

1. Mother Goose
2. "Mammy"
3. Fairy Godmother
4. Mother superior
5. Mommy Dearest
6. Whistler's Mother
7. The Mamas and the Papas
8. Mother lode
9. Mother Nature
10. Mr. Mom
11. Mother-of-pearl
12. I Remember Mama
13. Ma Barker
14. Yo-Yo Ma

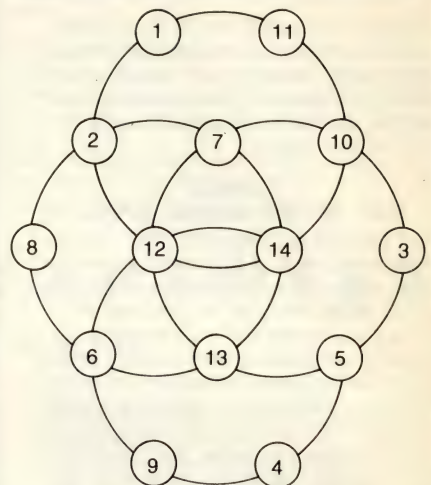
28 TWISTED TELEVISION

1. Cheeks (*Cheers*)
2. Moonlighting (*Moonlighting*)
3. The Flying Nun (*The Flying Nun*)
4. Slipper (*Flipper*)
5. The Old Couple (*The Odd Couple*)
6. Father Knots Best (*Father Knows Best*)
7. Growing Pawns (*Growing Pains*)
8. Beat the Flock (*Beat the Clock*)
9. Kodak (*Kojak*)
10. The A-Tram (*The A-Team*)
11. Perky Mason (*Perry Mason*)
12. The Moo Squad (*The Mod Squad*)

23 MARCHING BANDS

R	E	S	T	R	A	I	N	S	T	O	R	M
O	M	A	R	I	M	B	A	L	A	N	C	E
S	E	P	I	A	N	O	B	L	E	M	A	N
S	L	E	W	I	N	T	E	R	N	I	S	T
A	B	L	E	M	A	N	I	F	E	S	T	O
C	U	B	I	S	M	A	N	O	T	H	E	R
I	R	I	S	E	S	A	L	T	E	R	S	
P	A	R	A	K	E	E	T	D	I	S	C	S
S	E	R	B	I	A	N	D	E	N	I	R	O
T	R	E	A	D	L	E	M	I	G	N	O	N
S	A	T	Y	R	W	A	I	T	R	E	S	S
I	N	W	A	R	D	S	D	R	O	W	S	E
G	Y	R	A	T	I	N	G	I	D	Y	L	L

35 MAGIC RINGS



27 SHORT CHANGES

1. Plump, slender
2. Violent, calm
3. Float, sink
4. Ebony, white
5. Married, single
6. Rapid, slow
7. Kind, mean
8. Stable, shaky
9. Ornate, plain
10. Scold, praise
11. Complete, lacking
12. Moron, genius
13. Placid, stormy
14. Tacit, stated
15. Bungler, expert
16. Uninformed, learned

FAKE AD

The Fake Advertisement announced in the Table of Contents was for The Rack and appeared on page 41. Illustration by Jim Meskimen.

30 ALTERNATING CURRENCY

The 17-pengo coin is a turquoise square; the 36-pengo coin is a maroon circle; the 55-pengo coin is an olive green triangle.

22 TRAINING EXERCISE

By taking the following trains, Sally will make it to Hope Springs and back by 11:50:
 7:20 from Alphaville, eastbound, to Discovery;
 8:00 from Discovery, westbound, to Clarksville;
 8:20 from Clarksville, eastbound, to Hope Springs;
 9:20 from Hope Springs, westbound, to Ephemeral;
 10:00 from Ephemeral, eastbound, to Fortuna;
 10:40 from Fortuna, westbound, to Alphaville.

38 ON THE FACE OF IT

1. Abraham Lincoln
2. Salvador Dali
3. William Shakespeare
4. Fidel Castro
5. Mark Twain
6. Ayatollah Khomeini
7. Willie Nelson
8. Vincent Van Gogh
9. Frank Zappa
10. Adolf Hitler
11. Walt Disney
12. Clark Gable

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THE SUPER IQ REPORT

(CONTINUED FROM PAGE 45)

Table 2

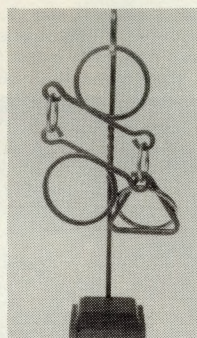
IQ corresponding to each scaled score

Scaled score	Tested Pop. %ile	Gen. Pop. %ile	IQ
70	90	99.99	160
71	91	99.99	161
72	91	99.99	162
73	92	99.99	162
74	93	99.996	163
75	94	99.997	164
76	94	99.997	165
77	95	99.997	165
78	95	99.998	166
79	96	99.998	167
80	97	99.998	167
81	97	99.999	168
82	98	99.999	169
83	98	99.9995	170
84	98	99.9995	170
85	98	99.9996	171
86	99	99.9997	172
87	99	99.9997	172
88	99	99.9997	173
89	99	99.9998	174
90	99	99.9998	175
91	99	99.9998	175
92	99	99.9999	176
93	99	99.9999	177
94	99	99.99995	178
95	99	99.99995	178
96	99	99.99996	179
97	99	99.99997	180
98	99	99.99997	180
99	99	99.99998	181
100	99	99.99998	182

35 SIX APPEAL

FROST	DEJAVU	PRIMAL	PARTS
LINER	EXOGEN	REDOSE	UNHAT
OMARA	PENAND	OBOIST	EVOKE
REIGN	ODETTE	CANNES	BIDEN
ARRESTS	SERRAE	TENGALLONS	
VAIN	OSIER	TOGO	
FATHER	TOBE	INDEBT	MUSTAFA
ASHORE	FANJET	DAILEY	ALAR
TIROS	SONTAG	FERMAT	DOILY
AMIDE	NOTIME	REBIDS	VIOLA
LOCO	PILATE	CIMINO	BOSTON
EVEOFST	MYSHOE	EGGCARTONS	
EYCK	JOHNQ	AABA	
COMANCHERO	MEDICH	TAKACUP	
ATOUCH	RINTIN	VOICES	VANE
STATE	ONCEIN	RINGIN	HINDS
HATIS	NETTLY	UGHTA	EATIT
EWES	MALAWI	HOTAIR	ASTONE
WADMAAL	LONGOS	SQUANDERER	
LULL	GANEF	SLOE	
HUMIDIFIER	DEVITO	SNAPPER	
OHARE	OOLONG	ERINGO	DRUPE
OUTIN	UNIQUE	LEADER	JULES
TRENT	RESULT	TARARA	INSET
SARGE	STTELY	STAYIN	MEESE

THE GALLERY



TAVERN PUZZLE®- LYON'S LOOPS

Traditionally forged by blacksmiths to amuse their friends at country taverns, these wrought iron puzzles will delight everyone. Intricate constructions of linked rings, triangles and looped rods, the object is to remove one of the pieces using logic and perception, not physical force. The puzzles are forged by a blacksmith using antique tools and traditional smithy techniques. A forged metal stand is available separately. Order today! Tavern Puzzles make great gifts!
Puzzle \$10.50 Stand \$8.00 (add \$1.75 p/h)
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American Artisan, Inc.
201 King Street, Alexandria, VA 22314

Practical jokes for all merry makers of mischief.

We have collected 13 of the world's funniest and most successful pranks—and we've put them all in *The Practical Joker Bag of Tricks*.

This Kit is an indispensable manual for all lovers of truly witty, good-natured practical jokes.

Don't miss out on the fun! Order *The Practical Joker Bag of Tricks* today.

Send your check or money order for \$16.95 plus \$2.00 for postage and handling to The Practical Joker Bag of Tricks, 755 Broadway, Suite B, Bedford, Ohio 44146 or call 1-800-541-0900 to order toll free. VISA and MasterCard accepted. Allow 3 weeks for delivery.

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While Supplies Last



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A DECADE OF PUZZLING

This 10th Anniversary Special contains dozens of the best feature puzzles of GAMES's first 10 years. Quizzes, hidden images, what's wrong with this picture, mysteries, logic, Call Our Bluff, and time sequence puzzles are all included, plus a 16-page Pencilwise section.

To order, send a check or money order for \$2.95 per issue (we'll pay the postage) to:

GAMES Specials, Dept. MAY,
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Vernon, NJ 07462

Please be sure to specify "Vacation Puzzles," "Pencil Puzzles," "Winter Puzzler," and/or "A Decade of Puzzling" with your order.

*"If you are interested in Go,
buy this program."*

Jerry Pournelle, Byte 7/87

NEMESIS...



The Go Master™

World's Strongest Go Program
A Complete Learning Tool For Go
Plays Like A Person
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POP•SECRET® CONTEST

Grand Prize

A microwave oven

5 First Prizes

GAMES: The Video Edition

5 Runner-Up Prizes

A box of Pop•Secret® popcorn

This contest is designed especially for GAMES readers, and is based on the advertisement for Pop•Secret® microwave popcorn on the facing page.

The object of the contest is to count the total number of times the words "POP" and "SECRET" appear in both this column and the full-page Pop•Secret® ad on the facing page. Each place that "POP" or "SECRET" appears should be counted, except that on the Pop•Secret® box itself (in the full-page ad), you should ignore the top and the right side of the box, and only count the times that "POP" and "SECRET" appear on the front of the box.

In your count, you should include all places in which "POP" or "SECRET" appears as part of another word (such as "popcorn"). Capitalized and uncapitalized letters should be treated as being completely equivalent; for example, "POP," "Pop," and "pop" should each be counted, for a total count of three POPs (oops, that makes four) in this sentence.

How to Enter On the entry blank below (or a facsimile), write your answer on the space provided. Fill in your name and address, and mail to: **Pop•Secret Counting Contest, GAMES Magazine, 810 Seventh Avenue, New York, NY 10019.** Entries must be received by June 1, 1988. You may enter more than once, but each entry must be mailed separately.

Winning After the contest closes, a random drawing will be held. The first correct entry drawn will be awarded the grand prize, and the next 10 correct entries drawn will win first and runner-up prizes.

Name _____

Address _____

City _____ State _____ ZIP _____

The total number of times that "POP" and "SECRET" appear is _____

All entries become the property of GAMES.
Void where prohibited or restricted by law.

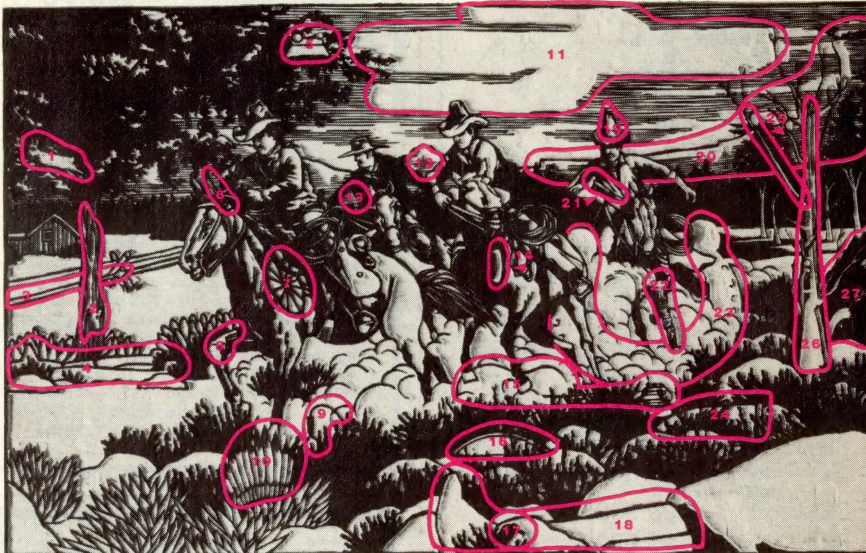
ANSWERS

18 RANGE FINDER

The hidden images are found according to the key below:

1. jackrabbit; 2. coyote; 3. arrow; 4. spur; 5. Conestoga wagon; 6. Bowie knife; 7. wagon wheel; 8. derringer; 9. hangman's noose; 10. Indian head-dress; 11. cactus; 12. sheriff's star; 13. Texas; 14.

canoe; 15. guitar; 16. bow; 17. vulture; 18. boot; 19. tepee; 20. six-gun; 21. tomahawk; 22. totem pole; 23. horseshoe; 24. bullet; 25. peace pipe; 26. rifle; 27. buffalo.



CLICHÉS COVER

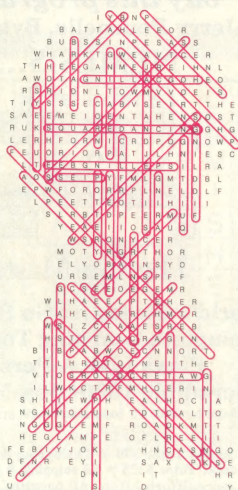
The clichés listed below appear left to right.

Background: Barking up the wrong tree, crying wolf, out on a limb, the walls have ears, head in the clouds, sitting on cloud nine, nailed to the wall, house of cards, drinks on the house, walking the straight and narrow path, walking on eggs.

Midground: Sticking to one's guns, having one's finger in the pie, one foot in the grave, hole in the head, straight arrow, putting money where one's mouth is, snake in the grass, full of beans, cat and mouse game, cards on the table, money under the table, pigheaded, pulling a rabbit out of one's hat, pain in the neck, fish story, fish out of water.

Foreground: Button one's lip, having a bee in one's bonnet, bending one's ear, talking through one's hat, talking turkey, cutting corners, a square meal, nail in the coffin, dead as a doornail, little pitchers have big ears, paying the piper, shooting fish in a barrel, out of the frying pan and into the fire, fly off the handle, cutting through red tape, all thumbs.

24 FAIR PLAY



COMING DISTRACTIONS JULY

Figuring Baseball Thanks to a new breed of number crunchers, baseball statistics have become a game within a game. After reading this article, baseball fans will never think about their game in quite the same way.

Ice Cream, You Scream Here's the scoop: Even if you love ice cream, you may take a licking on this tempting quiz.

Plus A report on the video game revival, a new creative contest, puzzling delights from Pencilwise, and much more.

**On sale at newsstands
May 24**

**SPECIAL EDITION
VOL. 2 NO. 3**

GAMES

Variety Puzzler

All new material! Dozens of crosswords, visual puzzles, brainteasers... and more. PLUS: A 16-PAGE SECTION JUST FOR CHILDREN. Only \$2.95 (\$3.50 in Canada).

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without a lot of unpopped
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And get popping.



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The interaction and drawing come naturally to them. And they even get crayons and wipe-off boards.

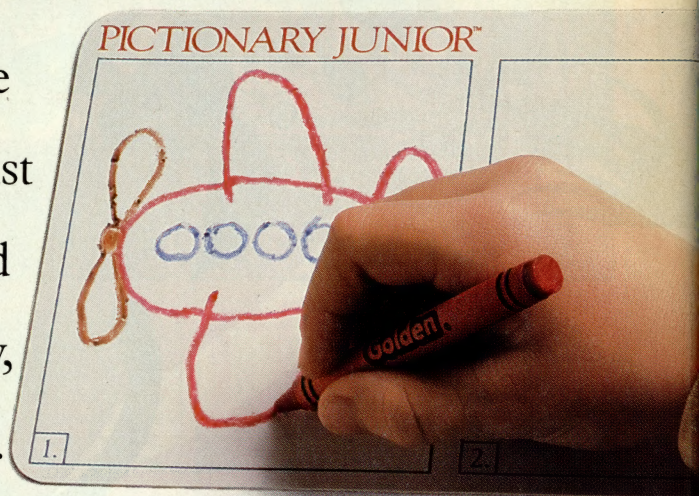
But the real fun is deciding what to draw to get the word across to their teammates before time runs out. And that can stimulate their imaginations like no other game.

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